APPENDIX C

February 14, 2000

ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

OAK MOLE

ATTN: Richard Day

Client's Project: #E8000-06-13
Lab No.: 41507-001/011

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

41507

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27, 29, 01/05/00
Date Extracted: 02/07/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)Modified

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-001	B10-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-002	B4-11.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-003	B3-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-004	B2-3.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-005	B2-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-006	B8-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-007	B5-3.5	EPA 7420 (Lead)	02/09/00	0.17	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-008	B5-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-009	B5-11.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-010	B1-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-010Dup	B1-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-011	B1-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-011Dup	B1-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: CW
Cheryl de los Reyes
Technical Operations Manager

Date: 2/15/00

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27/99
Date Extracted: 02/07/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-003	B3-7.5	EPA 7420 (Lead)	02/09/00	1.3	STLC Extract, mg/L	0.15	0.15	HP
41507-003Dup	B3-7.5	EPA 7420 (Lead)	02/09/00	4.8	STLC Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 2/15/00
Cheryl de los Reyes
Technical Operations Manager

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27/99
Date Digested: 02/09/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-003	B3-7.5	EPA 6010 (Lead)	02/10/00	78	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 2/15/00
Cheryl de los Reyes
Technical Operations Manager

1510 E. 33rd Street Signal Hill, CA 90807 Ph: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00209DI-1, 00209STLC
QA File: 0040-1

ANALYTE LEAD
Date Analyzed: 2/8/00
Date Extracted: 2/7/00
Matrix: DI, STLC
QC Batch No: PBF000209DI-1, PBF000209STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
41507-010DI	mg/L	5.0	5.0	100	ND	ND	ND	0	5.0	5.2	5.3	104	106	80-120	2	20	0.15
41507-011DI	mg/L	5.0	5.2	104	ND	ND	ND	0	5.0	5.2	5.1	104	102	80-120	2	20	0.15
41143-30ST	mg/L	5.0	5.0	100	ND	12	10	18	10	21	21	90	90	80-120	0	20	0.15

Approved by: Cheryl De Los Reyes
Technical Operations Manager

Date: 2/15/00

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: RM Date: 2/4/00 Time: 20:00

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON-P
Attn: RICHARD DAY

Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Project #: E8C00-06-13 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	WET-DI Pb	WET Pb	T. Pb	SOLID (SOIL) SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	41507-001	40633-001 / B10-0	12/27								X			X							E				
	-002	-020 / B4-11.5																							
	-003	-023 / B3-7.5										X	X												
	-004	-026 / B2-3.5																							
	-005	-027 / B2-7.5																							
	-006	40684-001 / B8-0	12/29																						
	-007	-006 / B5-3.5																							
	-008	-007 / ↓-7.5																							
	-009	-013 / ↓-11.5																							
	-010	40784-003 / B1-0	1/5																						

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report ow to folder, Pink to submitter.

CHAIN OF CUS JDY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: EBOON-P
Attn: RICHARD DAY
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name:
Project #: EBOON-06-13
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr./Submitter:
Print Name Date
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/GBTEX (COMBINATION); 8015M TPH/D (Diesel-GC); WET-01 PD

CIRCLE APPROPRIATE MATRIX: SOLID / SOIL / SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	8270	Metals-Total	8015M TPH/GBTEX	8015M TPH/D	WET-01 PD	SOLID / SOIL / SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-011	40784-005/B1-7.5	1/5						X			X							E				

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

FEB-15-00 TUE 06:20 PM ADVANCED TECHNOLOGY LAB FAX NO. 5629894040 P. 07/07

February 16, 2000

ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

OAK MOLE

ATTN: Richard Day

Client's Project: #E8000-06-13
Lab No.: 41515-001/003

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

41515

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30/99
Date Sampled: 12/27, 29/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41515-001	B8-0	EPA 9045 (pH)	02/08/00	5.9	Soil, pH units	---	---	HLP
41515-002	B2-3.5	EPA 9045 (pH)	02/08/00	7.2	Soil, pH units	---	---	HLP
41515-003	B9-0	EPA 9045 (pH)	02/08/00	7.1	Soil, pH units	---	---	HLP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: Cheryl de los Reyes
Technical Operations Manager

Date: 2/16/00

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Q Date: 2-7 Time: 10:20

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Geocon
Attn: Richard Day
Address: 5173 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name:
Project #: ES000-06-13
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 12/28 Time: 12/30 98
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 8270 / 8270 (BNA-GC/MS); Metals: Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); pH

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	8270	Metals	8015M TPHG/BTEX	8015M TPH/D	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	41515-001	40684-001 / B8-0	12/23/98								X	X											
	002	40633-026 / B2-3.5	12/22/98								↓	↓											
	003	↓ 005 / B9-0	↓																				

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

January 7, 2000 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: #E8000-06-13
Lab No.: 40722-001/007

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 12/28/99
Date Sampled: 12/27/99
Date Extracted: 01/06/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40722-001	B10-0	EPA 7420 (Lead)	01/07/00	13	STLC Extract, mg/L	0.15	0.15	HP
40722-003	B9-0	EPA 7420 (Lead)	01/07/00	61	STLC Extract, mg/L	0.15	0.30	HP
40722-004	B7-0	EPA 7420 (Lead)	01/07/00	0.45	STLC Extract, mg/L	0.15	0.15	HP
40722-005	B4-11.5	EPA 7420 (Lead)	01/07/00	5.1	STLC Extract, mg/L	0.15	0.15	HP
40722-006	B3-7.5	EPA 7420 (Lead)	01/07/00	12	STLC Extract, mg/L	0.15	0.15	HP
40722-007	B2-3.5	EPA 7420 (Lead)	01/07/00	9.7	STLC Extract, mg/L	0.15	0.15	HP
40722-007Dup	B2-7.5	EPA 7420 (Lead)	01/07/00	9.0	STLC Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: CW
Cheryl de los Reyes
Technical Operations Manager

Date: 1/12/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 12/28/99
Date Sampled: 12/27/99
Date Extracted: 01/04/00
Extraction Method: EPA 1311
Date Digested: 01/06/00
Digestion Method: EPA 3010

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40722-002	B9-0	EPA 7420 (Lead)	01/07/00	1.9	TCLP Extract, mg/L	0.15	0.15	HP
40722-002Dup	B9-0	EPA 7420 (Lead)	01/07/00	1.4	TCLP Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: CW
Cheryl de los Reyes
Technical Operations Manager

Date: 1/12/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 12/28/99
Date Sampled: 12/27/99
Date Digested: 01/11/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40722-003	B9-0	EPA 6010 (Lead)	01/12/00	1280	Soil, mg/kg	0.25	0.25	DJ
40722-003Dup	B9-0	EPA 6010 (Lead)	01/12/00	1560	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: CW
Cheryl de los Reyes
Technical Operations Manager

Date: 1/12/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00112STLC-1
QA File: 0012-1

ANALYTE: LEAD
Date Analyzed: 1/12/00
Date Extracted: 1/10/00
Matrix: STLC
QC Batch No: PBF000112STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
40797-001	mg/L	5.0	4.8	96	ND	14.0	15.0	7	10	25	25	110	110	80-120	0	20	0.15

Approved by: Cheryl De Los Reyes
Technical Operations Manager

Date: 1/12/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000112-1

QA File: 0012-2

Date Analyzed: 1/12/00

Date Digested: 1/11/00

Sample ID: 40722-003

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP000112S-1

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.89	89	ND	2.1	2.3	9	125	102	99	80	78	32-110	3	23	0.25
Arsenic	mg/kg	1.0	0.90	90	ND	4.5	4.8	6	125	111	107	85	82	68-105	4	7	0.25
Barium	mg/kg	1.0	0.94	94	ND	86	94	9	125	210	211	99	100	22-170	0	30	0.05
Beryllium	mg/kg	1.0	0.90	90	ND	ND	ND	0	125	109	105	87	84	47-134	4	7	0.05
Cadmium	mg/kg	1.0	0.90	90	ND	1.1	1.2	9	125	110	107	87	85	65-106	3	7	0.15
Chromium	mg/kg	1.0	0.90	90	ND	19	21	10	125	135	135	93	93	61-128	0	10	0.15
Cobalt	mg/kg	1.0	0.90	90	ND	3.3	3.8	14	125	114	110	89	85	68-112	4	7	0.15
Copper*	mg/kg	1.0	0.97	97	ND	110	107	3	125	247	520	110	328	60-133	71	18	0.15
Lead*	mg/kg	1.0	0.90	90	ND	1280	1560	20	125	1540	1800	208	416	68-106	16	10	0.25
Molybdenum	mg/kg	1.0	0.93	93	ND	3.2	4.0	22	125	111	109	86	85	67-107	2	14	0.25
Nickel	mg/kg	1.0	0.85	85	ND	15	17	13	125	160	166	116	121	29-155	4	24	0.15
Selenium	mg/kg	1.0	0.90	90	ND	0.95	0.71	29	125	100	97	79	77	51-114	3	13	0.25
Silver	mg/kg	1.0	0.86	86	ND	0.54	0.23	81	125	113	112	90	89	45-111	1	14	0.05
Thallium	mg/kg	1.0	0.92	92	ND	ND	ND	0	125	106	104	85	83	60-111	2	6	0.25
Vanadium	mg/kg	1.0	0.93	93	ND	8.3	9.8	17	125	123	119	92	89	71-116	3	12	0.15
Zinc	mg/kg	1.0	0.91	91	ND	369	440	18	125	557	564	150	156	47-128	1	30	0.50

*RPD out of limit due to sample matrix.

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/12/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00107STLC-1
QA File: 0007-1

ANALYTE: LEAD
Date Analyzed: 1/7/00
Date Extracted: 1/4/00
Matrix: STLC
QC Batch No: PBF000107STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
40722-007	mg/L	5.0	5.0	100	ND	9.0	9.7	7	10	18	18	90	90	80-120	0	20	0.15

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/12/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00107TCLP-1
QA File: 0007-1

ANALYTE: LEAD
Date Extracted: 1/4/00
Date Analyzed: 1/7/00
Date Digested: 1/6/99
Matrix: TCLP
QC Batch No: PBF000107TCLP-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
BLANK	mg/L	1.0	0.95	95	ND	ND	ND	0	5.0	5.0	5.0	100	100	80-120	0	20	0.15

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 1/12/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562-989-4045 Fax: 562-989-4040

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: (D) Date: 1-3 Time: 12:25

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Geocon
Attn: Ross White
Address: 5673 W. Las Positas Blvd, Suite 205
City State Zip Code
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name: Project #: E8000-06-13 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 12-28-99 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
_____ Date: ___/___/___
Print Name
_____
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M TPHG/BTEX(COMBINATION)	8015M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	WET Pb	TCLP Pb			SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	40722-001	40633-001/B10-0	12/27												X				X								1	T	P	
	002	005/B9-0														X														
	003	009/B7-0													X															
	004	020/B4-11.5																												
	005	023/B3-7.5																												
	006	026/B2-3.5																												
	007	027/B2-7.5																												

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

FAX

Date 1/3/00

Number of pages including cover sheet 1

TO: Compton et al

Phone
Fax Phone

FROM: Ross J. White
Geocon Environmental Consultants, Inc.
5673 W. Las Positas Blvd., Suite 205
Pleasanton, CA 94588

Phone 925.469.9750
Fax 925.469.9749

CC:

REMARKS: ☐ Urgent ☑ For your review ☑ Reply ASAP ☐ Please Comment

Please analyze the following soil samples as shown:

40633-001 (B10-0) — WET (Pb)
-005 (B9-0) — TCLP (Pb)
-009 (B7-0) — WET (Pb)
-020 (B4-11.5) — WET (Pb)
-023 (B3-7.5) — WET (Pb)
-026 (B2-3.5) — WET (Pb)
-027 (B2-7.5) — WET (Pb)

STANDARD TAT!

THX

January 12, 2000 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: #E8000-06-13
Lab No.: 40797-001/005

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 12/30/99
Date Sampled: 12/29/99
Date Digested: 01/12/00
Date Extracted: 01/10/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40797-001	B8-0	EPA 7420 (Lead)	01/12/00	14	STLC Extract, mg/L	0.15	0.15	HP
40797-002	B5-0	EPA 7420 (Lead)	01/12/00	3.6	STLC Extract, mg/L	0.15	0.15	HP
40797-003	B5-3.5	EPA 7420 (Lead)	01/12/00	14	STLC Extract, mg/L	0.15	0.15	HP
40797-004	B5-7.5	EPA 7420 (Lead)	01/12/00	7.1	STLC Extract, mg/L	0.15	0.15	HP
40797-005	B5-11.5	EPA 7420 (Lead)	01/12/00	9.0	STLC Extract, mg/L	0.15	0.15	HP
40797-001Dup	B8-0	EPA 7420 (Lead)	01/12/00	15	STLC Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ **Date:** 1/12/00

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00112STLC-1
QA File: 0012-1

ANALYTE: LEAD
Date Analyzed: 1/12/00
Date Extracted: 1/10/00
Matrix: STLC
QC Batch No: PBF000112STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
40797-001	mg/L	5.0	4.8	96	ND	14.0	15.0	7	10	25	25	110	110	80-120	0	20	0.15

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/12/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 12/30/99
Date Sampled: 12/29/99
Date Digested: 01/12/00
Date Extracted: 01/10/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40797-003	B5-3.5	EPA 7470A (Mercury)	01/12/00	ND	STLC Extract, mg/L	0.004	0.004	HP
40797-004	B5-7.5	EPA 7470A (Mercury)	01/12/00	ND	STLC Extract, mg/L	0.004	0.004	HP
40797-005	B5-11.5	EPA 7470A (Mercury)	01/12/00	ND	STLC Extract, mg/L	0.004	0.004	HP
40797-005Dup	B5-11.5	EPA 7470A (Mercury)	01/12/00	ND	STLC Extract, mg/L	0.004	0.004	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 1/12/00
Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report

Method: EPA 7470/245.1
Analyst: DJ
Data File: 00112STLC-1
QA File: 0012-1

ANALYTE: MERCURY
Date Analyzed: 1/12/00
Date Digested: 1/12/00
Matrix: STLC
QC Batch No: HG000112STLC-1
Date extracted: 1/10/00

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40831-005	mg/L	0.025	0.025	100	ND	ND	0.020	0.020	0.020	100	100	63-139	0	20	0.0002
40873-002	mg/L	0.025	0.025	100	ND	ND	0.020	0.018	0.019	90	95	63-139	5	20	0.004

Approved by: CW
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/12/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CHAIN OF CUSTODY RECORD

Pg ___

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___

Logged By: (D) Date: 1-6 Time: 1225

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☑

Client: Geocon
Attn: Ross White

Address: 5673 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588

TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name: Project #: E8000-06-13 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 12-30-99 Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn: ___
Co: ___
Address ___
City ___ State ___ Zip ___

Bill To:
Attn: ___
Co: ___
Address ___
City ___ State ___ Zip ___

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ___
☐ Return To: ___

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ___

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	WET Pb	WET Hg	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40797-001	40684-001/B8-0	12/29								X		X											
	002	005/B5-0																						
	003	006/B5-3.5										X												
	004	007/B5-7.5																						
	005	013/B5-11.5																						

• TAT starts 8 a.m. following day if samples rec[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

January 18, 2000 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: #E8000-06-13
Lab No.: 40885-001/002

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: #E8000-06-13

Date Received: 01/06/00
Date Sampled: 01/05/00
Date Extracted: 01/16/00
Extraction Method: WET (Title 22, CCR, 6626.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40885-001	B1-0	EPA 7420 (Lead)	01/18/00	7.2	STLC Extract, mg/L	0.15	0.15	HP
40885-002	B1-7.5	EPA 7420 (Lead)	01/18/00	5.0	STLC Extract, mg/L	0.15	0.15	HP
40885-002Dup	B1-7.5	EPA 7420 (Lead)	01/18/00	5.1	STLC Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ **Date:** 1/18/00
Cheryl de los Reyes
Technical Operations Manager

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00118STLC-1
QA File: 0018-1

ANALYTE: LEAD
Date Analyzed: 1/18/00
Date Extracted: 1/16/00
Matrix: STLC
QC Batch No: PBF000118STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
40885-002	mg/L	5.0	4.9	98	ND	5.0	5.1	2	10	15	15	100	100	80-120	0	20	0.15

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/18/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: PD Date: 1-11 Time: 1020

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☑

Client: Geocon
Attn: Ross White
Address: 5673 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name:
Project #: E8000-06-13
Sampler: (Printed Name) Diane Malvan (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
				1-6-00	
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); WET pb

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	WET pb	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40885-001	40784-003/B1-0	1/5								X	X											
	002	↓ 005/B1-7.5	↓								↓	↓											

• TAT starts 8 a.m. following day if samples rece[illegible] fter 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible]=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=N[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

February 14, 2000

ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Richard Day

Client's Project: #E8000-06-13
Lab No.: 41507-001/011

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27, 29, 01/05/00
Date Extracted: 02/07/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)Modified

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-001	B10-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-002	B4-11.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-003	B3-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-004	B2-3.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-005	B2-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-006	B8-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-007	B5-3.5	EPA 7420 (Lead)	02/09/00	0.17	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-008	B5-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-009	B5-11.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-010	B1-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-010Dup	B1-0	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-011	B1-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP
41507-011Dup	B1-7.5	EPA 7420 (Lead)	02/09/00	ND	STLC DI Water Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 2/15/00

Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27/99
Date Extracted: 02/07/00
Extraction Method: WET (Title 22, CCR, 66261.100 Appendix II)

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-003	B3-7.5	EPA 7420 (Lead)	02/09/00	1.3	STLC Extract, mg/L	0.15	0.15	HP
41507-003Dup	B3-7.5	EPA 7420 (Lead)	02/09/00	4.8	STLC Extract, mg/L	0.15	0.15	HP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: CN
Cheryl de los Reyes
Technical Operations Manager

Date: 2/15/00

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30 & 01/06/00
Date Sampled: 12/27/99
Date Digested: 02/09/00
Digestion Method: EPA 3050

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41507-003	B3-7.5	EPA 6010 (Lead)	02/10/00	78	Soil, mg/kg	0.25	0.25	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 2/15/00

Cheryl de los Reyes
Technical Operations Manager

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7420
Analyst: HP
Data File: 00209DI-1, 00209STLC
QA File: 0040-1

ANALYTE LEAD
Date Analyzed: 2/9/00
Date Extracted: 2/7/00
Matrix: DI, STLC
QC Batch No: PBF000209DI-1, PBF000209STLC-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPDLimit	MDL
41507-010DI	mg/L	5.0	5.0	100	ND	ND	ND	0	5.0	5.2	5.3	104	106	80-120	2	20	0.15
41507-011DI	mg/L	5.0	5.2	104	ND	ND	ND	0	5.0	5.2	5.1	104	102	80-120	2	20	0.15
41143-30ST	mg/L	5.0	5.0	100	ND	12	10	18	10	21	21	90	90	80-120	0	20	0.15

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 2/15/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: RM Date: 2/4/00 Time: 20:00

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON-P
Attn: RICHARD DAY
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Project #: E8000-06-13 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); WET-DI PB; WET PB; T-PB

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	WET-DI PB	WET PB	T-PB	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	41507-001	40633-001 / B10-0	12/27						X					X							E				
	-002	-020 / B4-11.5																							
	-003	-023 / B3-7.5									X	X													
	-004	-026 / B2-3.5																							
	-005	-027 / B2-7.5																							
	-006	40684-001 / B8-0	12/29																						
	-007	-006 / B5-3.5																							
	-008	-007 / ↓-7.5																							
	-009	-013 / ↓-11.5																							
	-010	40784-003 / B1-0	1/5																						

• TAT starts 8 a.m. following day if samples rec[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible]=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON-P
Attn: RICHARD DAY
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name:
Project #: E8000-06-13
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name _____ Date _____
Signature _____

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); WET-PH PB

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8015M TPH/D (Diesel-GC)	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-011	40784-005/B1-7.5	1/5		X	X	E				

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report. **Yellow** to folder. **Pink** to submitter.

December 30, 1999 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Lab No.: 40633-001/028

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)									
Lab No.:		40633-001	40633-002	40633-003	40633-004	40633-005	40633-006	40633-007	40633-008
Client Sample I.D.:		B10-0	B10-3.5	B10-7.5	B10-11.5	B9-0	B9-3.5	B9-7.5	B9-11.5
Date Sampled:		12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99
Date Digested:		12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99
Date Analyzed:		12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99
Analyst Initials:		DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	1.0	ND	0.38	0.52	2.1	0.55	ND	0.39
Arsenic	0.25	9.1	4.1	5.1	3.2	4.2	2.5	2.3	1.7
Barium	0.050	45	61	29	45	117	26	31	10
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	1.8	ND	ND	ND
Chromium	0.15	10	23	18	16	39	23	22	20
Cobalt	0.15	3.1	4.7	3.7	4.6	4.0	3.5	3.5	2.6
Copper	0.15	26	11	9.2	5.1	204	4.5	4.4	3.2
Lead	0.25	518	24	17	3.3	1440	1.5	1.1	1.
Mercury **	0.10	0.17	0.35	ND	ND	ND	ND	ND	ND
Molybdenum	0.25	3.6	1.4	2.0	1.1	4.9	0.85	0.75	0.80
Nickel	0.15	9.9	23	19	16	62	21	22	15
Selenium	0.25	0.71	0.46	0.63	0.33	0.57	ND	ND	ND
Silver	0.050	0.095	0.060	0.12	0.17	0.19	ND	ND	ND
Thallium	0.25	0.68	ND	ND	0.46	0.43	0.49	0.52	ND
Vanadium	0.15	11	17	15	14	14	13	13	11
Zinc	0.50	160	27	66	21	603^	16	15	11

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed 12/29/99
^ = DLR is 50

Reviewed/Approved By: _____ Date: 12/30/99

Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)									
Lab No.:		40633-009	40633-010	40633-010Dup	40633-011	40633-012	40633-013	40633-014	40633-015
Client Sample I.D.:		B7-0	B7-3.5	B7-3.5	B7-7.5	B7-11.5	B6-0	B6-3.5	B6-7.5
Date Sampled:		12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99
Date Digested:		12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99
Date Analyzed:		12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99
Analyst Initials:		DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	1.5	0.34	0.30	0.54	0.30	ND	0.34	0.44
Arsenic	0.25	4.4	2.4	2.4	3.0	2.1	1.8	2.7	3.7
Barium	0.050	110	49	28	26	20	35	20	47
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	0.27	ND	ND
Chromium	0.15	28	22	24	29	20	3.1	22	29
Cobalt	0.15	4.3	3.2	3.4	4.3	3.1	0.58	3.4	5.7
Copper	0.15	61	4.1	4.1	4.7	2.9	6.8	3.7	8.3
Lead	0.25	144	0.94	1.1	1.2	1.2	6.2	1.7	2.2
Mercury **	0.10	0.10	ND	ND	ND	ND	ND	ND	ND
Molybdenum	0.25	5.9	0.66	0.66	1.1	0.98	0.44	0.65	1.4
Nickel	0.15	21	19	20	31	21	3.8	20	32
Selenium	0.25	0.78	0.51	ND	0.36	0.56	0.92	ND	0.36
Silver	0.050	ND	ND	ND	ND	ND	ND	0.078	0.14
Thallium	0.25	ND	ND	ND	ND	0.32	ND	ND	0.69
Vanadium	0.15	19	13	14	17	12	2.8	14	18
Zinc	0.50	229	13	14	18	15	47	13	22

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed 12/29/99

Reviewed/Approved By: _____ Date: 12/30/99

Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)									
Lab No.:		40633-016	40633-017	40633-018	40633-019	40633-020	40633-020Dup	40633-021	40633-022
Client Sample I.D.:		B6-11.5	B4-0	B4-3.5	B4-7.5	B4-11.5	B4-11.5	B3-0	B3-3.5
Date Sampled:		12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99
Date Digested:		12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99
Date Analyzed:		12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99
Analyst Initials:		DJ	DJ	DJ	DJ	DJ	DJ	DJ	DJ
Dilution Factor:		1	1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.35	0.63	0.48	0.29	ND	0.32	ND	0.50
Arsenic	0.25	5.4	6.7	3.0	2.6	2.2	1.8	1.4	4.1
Barium	0.050	139	95	23	65	18	9.1	19	35
Beryllium	0.050	0.25	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.15	11	17	25	19	40	38	5.0	24
Cobalt	0.15	7.9	5.6	3.6	3.3	2.8	2.7	0.95	5.0
Copper	0.15	13	18	4.7	3.7	2.7	2.6	5.3	7.9
Lead	0.25	6.7	20	1.8	1.5	125	116	11	4
Mercury **	0.10	0.22	0.16	ND	ND	ND	ND	ND	ND
Molybdenum	0.25	1.9	2.5	0.94	0.70	0.75	0.71	0.43	1.1
Nickel	0.15	21	32	22	19	16	15	4.7	24
Selenium	0.25	0.93	0.70	0.49	0.44	ND	ND	0.32	ND
Silver	0.050	ND	ND	ND	ND	ND	ND	0.056	ND
Thallium	0.25	0.52	0.69	ND	0.39	0.28	ND	ND	ND
Vanadium	0.15	13	20	16	12	11	11	3.9	16
Zinc	0.50	37	56	15	13	11	10	23	28

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed 12/29/99

Reviewed/Approved By: _____ Date: 12/30/99

Cheryl De Los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)									
Lab No.:		40633-023	40633-024	40633-025	40633-026	40633-027	40633-028	40633-028Dup	
Client Sample I.D.:		B3-7.5	B3-11.5	B2-0	B2-3.5	B2-7.5	B2-11.5	B2-11.5	
Date Sampled:		12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	12/27/99	
Date Digested:		12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	12/28/99	
Date Analyzed:		12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	
Analyst Initials:		DJ	DJ	DJ	DJ	DJ	DJ	DJ	
Dilution Factor:		1	1	1	1	1	1	1	
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.37	ND	ND	0.29	0.31	ND	ND	
Arsenic	0.25	4.4	2.0	1.4	4.1	7.0	3.0	3.3	
Barium	0.050	51	20	18	46	194	26	28	
Beryllium	0.050	ND	ND	ND	ND	ND	ND	ND	
Cadmium	0.15	ND	ND	ND	ND	ND	ND	ND	
Chromium	0.15	30	16	3.8	24	28	24	18	
Cobalt	0.15	6.6	3.0	0.62	5.2	11	3.8	3.8	
Copper	0.15	11	2.8	8.1	12	51	4.8	4.1	
Lead	0.25	56	1.0	9.1	133	91	6.2	6.7	
Mercury **	0.10	ND	ND	ND	ND	ND	ND	ND	
Molybdenum	0.25	1.8	0.49	0.31	1.6	3.9	0.95	1.0	
Nickel	0.15	28	16	4.9	23	34	25	19	
Selenium	0.25	ND	ND	ND	ND	0.56	0.30	ND	
Silver	0.050	ND	ND	ND	ND	ND	ND	ND	
Thallium	0.25	ND	ND	ND	ND	0.86	ND	ND	
Vanadium	0.15	26	9.7	1.8	18	48	12	13	
Zinc	0.50	28	10	40	38	108	22	22	

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed 12/29/99

Reviewed/Approved By: CW
Cheryl De Los Reyes
Technical Operations Manager

Date: 12/30/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method: EPA 6010

Analyst: DJ/CDR

Data File: ICAP91229-2

QA File: 9363-2

Date Analyzed: 12/29/99

Date Digested: 12/28/99

Sample ID: 40633-020

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP991229S-2

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony*	mg/kg	2.0	1.9	95	ND	ND	0.32	*	125	101	99	81	79	32-110	2	23	0.25
Arsenic	mg/kg	2.0	1.9	95	ND	2.2	1.8	0	125	113	110	89	86	68-105	3	7	0.25
Barium	mg/kg	2.0	1.9	95	ND	18	9.1	66	125	185	187	134	135	22-170	1	30	0.05
Beryllium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	109	106	87	85	47-134	3	7	0.05
Cadmium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	119	116	95	93	65-106	3	7	0.15
Chromium	mg/kg	2.0	1.9	95	ND	40	38	5	125	125	120	68	64	61-128	4	10	0.15
Cobalt	mg/kg	2.0	1.9	95	ND	2.8	2.7	4	125	102	98	79	76	68-112	4	7	0.15
Copper	mg/kg	2.0	1.9	95	ND	2.7	2.6	4	125	129	125	101	98	60-133	3	18	0.15
Lead**	mg/kg	2.0	1.9	95	ND	124	116	7	125	113	109	9	12	68-106	4	10	0.25
Molybdenum	mg/kg	2.0	1.9	95	ND	0.75	0.71	5	125	103	100	82	79	67-107	3	14	0.25
Nickel	mg/kg	2.0	1.9	95	ND	16	15	6	125	136	130	96	91	29-155	5	24	0.15
Selenium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	107	104	86	83	51-114	3	13	0.25
Silver	mg/kg	2.0	1.8	90	ND	ND	ND	0	125	113	100	90	80	45-111	12	14	0.05
Thallium*	mg/kg	2.0	1.9	95	ND	0.27	ND	*	125	118	114	94	91	60-111	3	6	0.25
Vanadium	mg/kg	2.0	1.9	95	ND	11	11		125	120	115	87	83	71-116	4	12	0.15
Zinc	mg/kg	2.0	1.9	95	ND	11	10	10	125	123	118	90	86	47-128	4	30	0.50

* %Dev not calculated result at/near detection limit.
** %MS REC out of limit due to sample matrix.

Approved by: Cheryl De Los Reyes
Technical Operations Manager

Date: 12/30/99

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Method: EPA 6010

Analyst: DJ/CDR

Data File: ICAP91229-1

QA File: 9363-1

Date Analyzed: 12/29/99

Date Digested: 12/28/99

Sample ID: 40633-010

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP991229S-1

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	2.0	1.9	95	ND	0.34	0.30	13	125	94	96	75	77	32-110	2	23	0.25
Arsenic	mg/kg	2.0	1.9	95	ND	2.4	2.4	0	125	110	112	86	88	68-105	2	7	0.25
Barium	mg/kg	2.0	1.9	95	ND	49	28	55	125	148	164	79	92	22-170	10	30	0.05
Beryllium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	107	108	86	86	47-134	1	7	0.05
Cadmium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	114	115	91	92	65-106	1	7	0.15
Chromium	mg/kg	2.0	1.9	95	ND	22	24	0	125	133	136	89	91	61-128	2	10	0.15
Cobalt	mg/kg	2.0	1.9	95	ND	3.2	3.4	6	125	104	106	81	82	68-112	2	7	0.15
Copper	mg/kg	2.0	1.9	95	ND	4.1	4.1		125	127	128	98	99	60-133	1	18	0.15
Lead	mg/kg	2.0	1.9	95	ND	0.93	1.1	17	125	111	113	88	90	68-106	2	10	0.25
Molybdenum	mg/kg	2.0	1.9	95	ND	0.66	0.66	0	125	102	103	81	82	67-107	1	14	0.25
Nickel	mg/kg	2.0	1.9	95	ND	19	20	5	125	133	137	91	94	29-155	3	24	0.15
Selenium*	mg/kg	2.0	1.9	95	ND	0.51	ND	*	125	105	108	84	86	51-114	3	13	0.25
Silver	mg/kg	2.0	1.8	90	ND	ND	ND	0	125	79	73	63	58	45-111	8	14	0.05
Thallium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	113	115	90	92	60-111	2	6	0.25
Vanadium	mg/kg	2.0	1.9	95	ND	13	14	7	125	123	125	88	90	71-116	2	12	0.15
Zinc	mg/kg	2.0	1.9	95	ND	13	14	7	125	121	124	86	89	47-128	2	30	0.50

* %Dev not calculated result at/near detection limit.

Approved by: CW
Cheryl De Los Reyes
Technical Operations Manager

Date: 12/30/99

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Method: EPA 6010

Analyst: DJ/CDR

Data File: ICAP91229-3

QA File: 9363-3

Date Analyzed: 12/29/99

Date Digested: 12/28/99

Sample ID: 40633-028

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP991229S-3

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	100	103	80	82	32-110	3	23	0.25
Arsenic	mg/kg	2.0	1.9	95	ND	3.0	3.3	0	125	115	116	90	90	68-105	1	7	0.25
Barium	mg/kg	2.0	1.9	95	ND	26	28	7	125	153	146	102	96	22-170	5	30	0.05
Beryllium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	112	111	90	89	47-134	1	7	0.05
Cadmium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	114	113	91	90	65-106	1	7	0.15
Chromium	mg/kg	2.0	1.9	95	ND	24	18	29	125	134	134	88	88	61-128	0	10	0.15
Cobalt	mg/kg	2.0	1.9	95	ND	3.8	3.8	0	125	115	114	89	88	68-112	1	7	0.15
Copper	mg/kg	2.0	1.9	95	ND	4.8	4.1	16	125	125	129	96	99	60-133	3	18	0.15
Lead	mg/kg	2.0	1.9	95	ND	6.2	6.7	8	125	122	122	93	93	68-106	0	10	0.25
Molybdenum	mg/kg	2.0	1.9	95	ND	0.95	1.0	5	125	114	113	90	90	67-107	1	14	0.25
Nickel	mg/kg	2.0	1.9	95	ND	25	19	27	125	134	135	87	88	29-155	1	24	0.15
Selenium*	mg/kg	2.0	1.9	95	ND	0.30	ND	*	125	109	108	87	86	51-114	1	13	0.25
Silver	mg/kg	2.0	1.8	90	ND	ND	ND	0	125	93	93	74	74	45-111	0	14	0.05
Thallium	mg/kg	2.0	1.9	95	ND	ND	ND	0	125	117	115	94	92	60-111	2	6	0.25
Vanadium	mg/kg	2.0	1.9	95	ND	12	13	8	125	128	128	93	93	71-116	0	12	0.15
Zinc	mg/kg	2.0	1.9	95	ND	22	22	0	125	139	137	94	92	47-128	1	30	0.50

* %Dev not calculated result at/near detection limit.

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 12/30/99

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7471A
Analyst: DJ/SER
Data File: 91229S-1
QA File: 9363-1

ANALYTE MERCURY
Date Digested: 12/29/99
Date Analyzed: 12/29/99
Matrix: SOIL/SLUDGE
QC Batch No: HG991229S-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL C	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40633-010	mg/kg	0.025	0.025	100	ND	ND	0.83	0.57	0.58	69	70	50-147	2	30	0.10
40633-020	mg/kg	0.025	0.024	96	ND	ND	0.83	0.61	0.57	73	69	50-147	7	30	0.10
40633-028	mg/kg	0.025	0.027	108	ND	ND	0.83	0.61	0.59	73	71	50-147	3	30	0.10

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 12/30/99

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (Pesticide)

Lab No.:		Method Blank		40633-001		40633-002		40633-005		40633-006		40633-009	
Client Sample I.D.:		--		B10-0		B10-3.5		B9-0		B9-3.5		B7-0	
Date Sampled:		--		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:		C998080S448		C998080S448		C998080S448		C998080S448		C998080S448		C998080S448	
Date Extracted:		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
Date Analyzed :		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Beta-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Heptachlor	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Delta-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Aldrin	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Heptachlor Epoxide	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Endosulfan I	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
4,4'-DDE	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Dieldrin	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Endrin	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
4,4'-DDD	4	4	ND	4	4.1	4	ND	4	6.2	4	ND	4	5.6
Endosulfan II	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
4,4'-DDT	4	4	ND	4	48	4	ND	4	34	4	ND	4	14
Endrin Aldehyde	4	4	ND	4	4.4	4	ND	4	5.3	4	ND	4	ND
Endosulfan Sulfate	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Methoxychlor	17	17	ND	17	ND	17	ND	17	ND	17	ND	17	ND
Chlordane	17	17	ND	17	ND	17	ND	17	ND	17	ND	17	ND
Toxaphene	170	170	ND	170	ND	170	ND	170	ND	170	ND	170	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/07/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/28/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticide)

Lab No.:		40633-010		40633-013		40633-014		40633-017		40633-018		40633-021	
Client Sample I.D.:		B7-3.5		B6-0		B6-3.5		B4-0		B4-3.5		B3-0	
Date Sampled:		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:		C998080S448		C998080S448		C998080S448		C998080S448		C998080S448		C998080S448	
Date Extracted:		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
Date Analyzed :		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00		01/05/00	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Beta-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Heptachlor	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Delta-BHC	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Aldrin	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Heptachlor Epoxide	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
Endosulfan I	2	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND
4,4'-DDE	4	4	ND	4	ND	4	ND	4	6.8	4	ND	4	ND
Dieldrin	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Endrin	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
4,4'-DDD	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	7.0
Endosulfan II	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
4,4'-DDT	4	4	ND	4	5.6	4	ND	4	4.5	4	ND	4	13
Endrin Aldehyde	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Endosulfan Sulfate	4	4	ND	4	ND	4	ND	4	ND	4	ND	4	ND
Methoxychlor	17	17	ND	17	ND	17	ND	17	ND	17	ND	17	ND
Chlordane	17	17	ND	17	ND	17	ND	17	ND	17	ND	17	ND
Toxaphene	170	170	ND	170	ND	170	ND	170	ND	170	ND	170	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/07/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/28/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticide)

Lab No.:		40633-022		40633-025		40633-026							
Client Sample I.D.:		B3-3.5		B2-0		B2-3.5							
Date Sampled:		12/27/99		12/27/99		12/27/99							
QC Batch #:		C998080S448		C998080S448		C998080S448							
Date Extracted:		12/29/99		12/29/99		12/29/99							
Date Analyzed :		01/05/00		01/05/00		01/05/00							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND						
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND						
Beta-BHC	2	2	ND	2	ND	2	ND						
Heptachlor	2	2	ND	2	ND	2	ND						
Delta-BHC	2	2	ND	2	ND	2	ND						
Aldrin	2	2	ND	2	ND	2	ND						
Heptachlor Epoxide	2	2	ND	2	ND	2	ND						
Endosulfan I	2	2	ND	2	ND	2	ND						
4,4'-DDE	4	4	ND	4	ND	4	ND						
Dieldrin	4	4	ND	4	ND	4	ND						
Endrin	4	4	ND	4	ND	4	ND						
4,4'-DDD	4	4	ND	4	ND	4	ND						
Endosulfan II	4	4	ND	4	ND	4	ND						
4,4'-DDT	4	4	ND	4	ND	4	ND						
Endrin Aldehyde	4	4	ND	4	ND	4	ND						
Endosulfan Sulfate	4	4	ND	4	ND	4	ND						
Methoxychlor	17	17	ND	17	ND	17	ND						
Chlordane	17	17	ND	17	ND	17	ND						
Toxaphene	170	170	ND	170	ND	170	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud **Date:** 01/07/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report -SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\8080103.M (Chemstation Integrator)
Title :
Last Update : Wed Jan 05 12:28:24 2000
Response via : Initial Calibration

n-Spiked Sample: C0105006.D

	Spike Sample	Spike Duplicate Sample
File ID :	C0105012.D	C0105013.D
Sample :	40633-010,C998080S448,	40633-010,C998080S448,
Acq Time:	5 Jan 0200 3:54 pm	5 Jan 0200 4:24 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
gamma-BHC	0.0	40	31	32	75	78	4	9	50-127
Heptachlor	0.0	40	34	34	85	85	0	12	35-136
Aldrin	0.0	40	36	37	89	91	2	15	47-143
Dieldrin	0.0	80	60	63	76	78	4	8	54-134
Endrin	0.0	80	65	66	81	82	2	16	61-138
4,4' -DDT	0.0	80	60	62	74	78	4	22	15-155

QC BATCH:C008080S448

REVIEWED/APPROVED BY: C. Persaud DATE: 01/31/00
Compton Persaud
Department Supervisor

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/28/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40633-001		40633-002		40633-005		40633-006		40633-009	
Client Sample I.D.:		--		B10-0		B10-3.5		B9-0		B9-3.5		B7-0	
Date Sampled:		--		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:		H998080S448		H998080S448		H998080S448		H998080S448		H998080S448		H998080S448	
Date Extracted:		12/28/99		12/28/99		12/28/99		12/28/99		12/28/99		12/28/99	
Date Analyzed :		12/30/99		12/30/99		12/30/99		12/30/99		12/30/99		12/30/99	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1221	67	67	ND	67	ND	67	ND	67	ND	67	ND	67	ND
Aroclor-1232	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1242	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1248	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1254	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1260	33	33	ND	33	118	33	ND	33	169	33	ND	33	ND
Aroclor-1262	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1268	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/07/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/28/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		40633-010		40633-013		40633-014		40633-017		40633-018		40633-021	
Client Sample I.D.:		B7-3.5		B6-0		B6-3.5		B4-0		B4-3.5		B3-0	
Date Sampled:		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:		H998080S448		H998080S448		H998080S448		H998080S448		H998080S448		H998080S448	
Date Extracted:		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
Date Analyzed :		12/30/99		12/30/99		12/30/99		12/30/99		12/30/99		12/30/99	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1221	67	67	ND	67	ND	67	ND	67	ND	67	ND	67	ND
Aroclor-1232	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1242	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1248	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1254	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1260	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1262	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1268	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/07/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/28/99
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (PCB)

Lab No.:		40633-022		40633-025		40633-026							
Client Sample I.D.:		B3-3.5		B2-0		B2-3.5							
Date Sampled:		12/27/99		12/27/99		12/27/99							
QC Batch #:		H998080S448		H998080S448		H998080S448							
Date Extracted:		12/29/99		12/29/99		12/29/99							
Date Analyzed :		12/30/99		12/30/99		12/30/99							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND						
Aroclor-1221	67	67	ND	67	ND	67	ND						
Aroclor-1232	33	33	ND	33	ND	33	ND						
Aroclor-1242	33	33	ND	33	ND	33	ND						
Aroclor-1248	33	33	ND	33	ND	33	ND						
Aroclor-1254	33	33	ND	33	ND	33	ND						
Aroclor-1260	33	33	ND	33	ND	33	ND						
Aroclor-1262	33	33	ND	33	ND	33	ND						
Aroclor-1268	33	33	ND	33	ND	33	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/07/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\12541229.M (RTE Integrator)
Title : 8080/608 PCB 1254
Last Update : Thu Dec 30 08:31:29 1999
Response via : Initial Calibration

on-Spiked Sample: H1229060.D

	Spike Sample	Spike Duplicate Sample
File ID :	H1229063.D	H1229064.D
Sample :	40633-026,998080S448,MS	40633-026,998080S448,MSD
Acq Time:	30 Dec 1999 9:48 pm	30 Dec 1999 10:18 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
AROCLOR 1254-1	0.0	1000	822	861	82	86	4	16	55-149
AROCLOR 1254-2	0.0	1000	815	821	82	82	0	16	55-149
AROCLOR 1254-3	0.0	1000	922	934	92	93	1	16	55-149
AROCLOR 1254-4	0.0	1000	911	934	91	93	2	16	55-149
AROCLOR 1254-5	0.0	1000	757	775	76	78	2	16	55-149

QC BATCH:H998080S448

REVIEWED/APPROVED BY: C. Persaud DATE: 01/31/00
Compton Persaud
Department Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			Method Blank		40633-001		40633-002		40633-003		40633-004	
Client Sample I.D.:			--		B10-0		B10-3.5		B10-7.5		B10-11.5	
Date Sampled:			--		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
QC Batch #:			I998G20S325		I998G20S325		I998G20S325		I008G20S001		I008G20S001	
Date Analyzed:			01/03/00		01/03/00		01/03/00		01/03/00		01/03/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-010		40633-010 MS		40633-010 MSD					
QC Batch Number:	I008G20S001		I008G20S001		I008G20S001					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	3.2	64	3.5	69	7	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40633-005		40633-006		40633-007		40633-008		40633-009	
Client Sample I.D.:			B9-0		B9-3.5		B9-7.5		B9-11.5		B7-0	
Date Sampled:			12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
QC Batch #:			I008G20S001		I008G20S001		I008G20S001		I008G20S001		I008G20S001	
Date Analyzed:			01/03/00		01/03/00		01/03/00		01/03/00		01/03/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-010		40633-010 MS		40633-010 MSD					
QC Batch Number:	I008G20S001		I008G20S001		I008G20S001					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	3.2	64	3.5	69	7	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40633-010		40633-010 Dup.		LCS					
Client Sample I.D.:			B7-3.5		B7-3.5		--					
Date Sampled:			12/27/1999		12/27/1999		--					
QC Batch #:			I008G20S001		I008G20S001		I008G20S001					
Date Analyzed:			01/03/00		01/03/00		01/03/00					
Analyst Initials:			MO		MO		MO					
Dilution Factor:			1.0		1.0		1.0					
ANALYTE	MDL	Units	DLR	Results	DLR	Results	Limits	% Rec.				
Gasoline	1	mg/Kg	1	ND	1	ND	38-146	74				

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-010		40633-010 MS		40633-010 MSD					
QC Batch Number:	I008G20S001		I008G20S001		I008G20S001					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	3.2	64	3.5	69	7	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)

Lab No.:			Method Blank		40633-011		40633-012		40633-013		40633-014	
Client Sample I.D.:			--		B7-7.5		B7-11.5		B6-0		B6-3.5	
Date Sampled:			--		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
QC Batch #:			I008G20S002		I008G20S002		I008G20S002		I008G20S002		I008G20S002	
Date Analyzed:			01/03/99		01/03/99		01/03/99		01/03/99		01/03/99	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	40633-013		40633-013 MS		40633-013 MSD					
QC Batch Number:	I008G20S002		I008G20S002		I008G20S002					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	1.9	38*	2.3	45	17	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

* Failed limit check due to matrix interference. Batch validated by all LCS compounds within limit specification.

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40633-015		40633-016		40633-017		40633-018		40633-019	
Client Sample I.D.:			B6-7.5		B6-11.5		B4-0		B4-3.5		B4-7.5	
Date Sampled:			12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
QC Batch #:			I008G20S002		I008G20S002		I008G20S002		I008G20S002		I008G20S002	
Date Analyzed:			01/03/99		01/03/99		01/03/99		01/03/99		01/03/99	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-013		40633-013 MS		40633-013 MSD					
QC Batch Number:	I008G20S002		I008G20S002		I008G20S002					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	1.9	38*	2.3	45	17	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

* Failed limit check due to matrix interference. Batch validated by all LCS compounds within limit specification.

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40633-020		40633-020 Dup.		LCS					
Client Sample I.D.:			B4-11.5		B4-11.5		--					
Date Sampled:			12/27/1999		12/27/1999		--					
QC Batch #:			I008G20S002		I008G20S002		I008G20S002					
Date Analyzed:			01/03/00		01/03/00		01/03/00					
Analyst Initials:			MO		MO		MO					
Dilution Factor:			1.0		1.0		1.0					
ANALYTE	MDL	Units	DLR	Results	DLR	Results	Limits	% Rec.				
Gasoline	1	mg/Kg	1	ND	1	ND	38-146	73				

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-013	40633-013 MS			40633-013 MSD					
QC Batch Number:	I008G20S002	I008G20S002			I008G20S002					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	1.9	38*	2.3	45	17	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

* Failed limit check due to matrix interference. Batch validated by all LCS compounds within limit specification.

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			Method Blank		40633-021		40633-022		40633-023		40633-024	
Client Sample I.D.:			--		B3-0		B3-3.5		B3-7.5		B3-11.5	
Date Sampled:			--		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:			D008G20S002		D008G20S002		D008G20S002		D008G20S002		D008G20S002	
Date Analyzed:			01/04/00		01/04/00		01/04/00		01/04/00		01/04/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:		40633-021		40633-021 MS		40633-021 MSD				
QC Batch Number:		D008G20S002		D008G20S0021		D008G20S0021				
ANALYTE		DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline		1	ND	3.4	68	3.0	60	12	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole - E8000-06-13**
Date Received:	**12/28/1999**
Matrix:	**SOIL**

EPA Method 8015B (Gasoline)

Lab No.:			40633-025		40633-026		40633-027		40633-028		40633-021 Dup.	
Client Sample I.D.:			B2-0		B2-3.5		B2-7.5		B2-11.5		B3-0	
Date Sampled:			12/27/99		12/27/99		12/27/99		12/27/99		12/27/99	
QC Batch #:			D008G20S002		D008G20S002		D008G20S002		D008G20S002		D008G20S002	
Date Analyzed:			01/04/00		01/04/00		01/04/00		01/04/00		01/04/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:		40633-021		40633-021 MS		40633-021 MSD					
QC Batch Number:		D008G20S002		D008G20S0021		D008G20S0021					
ANALYTE		DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline		1	ND	3.4	68	3.0	60	12	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud **Date:** 01/06/00

Compton Persaud
Department Supervisor

 # Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/28/1999
Matrix: SOIL

EPA Method 8015B (Gasoline)											
Lab No.:			LCS								
Client Sample I.D.:			--								
Date Sampled:			--								
QC Batch #:			D008G20S002								
Date Analyzed:			01/04/00								
Analyst Initials:			MO								
Dilution Factor:			1.0								
ANALYTE	MDL	Units	Limits	% Rec.							
Gasoline	1	mg/Kg	1	95							

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	40633-021		40633-021 MS		40633-021 MSD					
QC Batch Number:	D008G20S002		D008G20S0021		D008G20S0021					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	3.4	68	3.0	60	12	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/06/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS634**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/29/99**
		Date Analyzed:	**12/31/99**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-001	B10-0	230*	10	10
40633-002	B10-3.5	103*	10	10
40633-003	B10-7.5	6*	1.0	1.0
40633-004	B10-11.5	ND	1.0	1.0
40633-005	B9-0	1630*	10	10
40633-006	B9-3.5	ND	1.0	1.0
40633-007	B9-7.5	ND	1.0	1.0
40633-008	B9-11.5	ND	1.0	1.0
40633-009	B7-0	56*	10	10
40633-010	B7-3.5	ND	1.0	1.0
40633-010Dup	B7-3.5	ND	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that are heavier than diesel. However, quantitation is based on diesel standard.**

Reviewed/Approved By: Co Persaud **Date:** 01/07/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS635**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/30/99**
		Date Analyzed:	**01/04/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-011	B7-7.5	ND	1.0	1.0
40633-012	B7-11.5	305	10	10
40633-013	B6-0	266*	10	10
40633-014	B6-3.5	4*	1.0	1.0
40633-015	B6-7.5	ND	1.0	1.0
40633-016	B6-11.5	ND	1.0	1.0
40633-017	B4-0	1570	10	10
40633-018	B4-3.5	4*	1.0	1.0
40633-019	B4-7.5	3*	1.0	1.0
40633-020	B4-11.5	7*	1.0	1.0
40633-019Dup	B4-7.5	ND	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that are heavier than diesel. However, quantitation is based on diesel standard.**

Reviewed/Approved By: C. Persaud **Date:** 01/07/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS636**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/30/99**
		Date Analyzed:	**01/03/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-021	B3-0	167*	1.0	1.0
40633-022	B3-3.5	14*	1.0	10
40633-023	B3-7.5	19*	1.0	10
40633-024	B3-11.5	2*	1.0	1.0
40633-025	B2-0	310*	10	10
40633-026	B2-3.5	78*	10	10
40633-027	B2-7.5	1780*	100	100
40633-028	B2-11.5	9*	1.0	1.0
40633-022Dup	B3-3.5	12*	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
*** = Sample contains hydrocarbons that are heavier than diesel. However, quantitation is based on diesel standard.**

Reviewed/Approved By: C. Persaud **Date:** 01/07/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L1231026.D

	Spike Sample	Spike Duplicate Sample
File ID :	L1231036.D	L1231037.D
Sample :	40633-06,L998015DW634MS	40633-06,L998015DW634MSD
Acq Time:	3 Jan 2000 8:38 pm	3 Jan 2000 9:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	0.0	1000	756.9	702.4	757	702	8	37	40-140

QCBATCH#L998015DW634

Reviewed/Approved by: C. Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L0103051.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0103059.D	L0103060.D
Sample :	40633-015,L998015DS635MS DSL	40633-015,L998015DS635MSD DSL
Acq Time:	4 Jan 2000 12:14 pm	4 Jan 2000 12:39 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	0.0	1000	612	454	61	45	30	37	40-140

QCBATCH#L998015DS635

Reviewed/Approved by: Co Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\1\METHODS\FG991229.M (Chemstation Integrator)
Title : Alchols
Last Update : Wed Dec 29 13:37:12 1999
Response via : Initial Calibration

Non-Spiked Sample: L0103032.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0103039.D	L0103040.D
Sample :	40633-024,L998015DS636MS DSL	40633-024,L998015DS636MSD DSL
Acq Time:	4 Jan 2000 3:21 am	4 Jan 2000 3:46 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	67.7	1000	501	581	43	51	17	37	40-140

QCBATCH#L998015DS636

Reviewed/Approved by: C. Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS634**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/29/99**
		Date Analyzed:	**12/31/99**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-001	B10-0	195	10	10
40633-002	B10-3.5	94	10	10
40633-003	B10-7.5	10	1.0	1.0
40633-004	B10-11.5	5.0	1.0	1.0
40633-005	B9-0	310	10	10
40633-006	B9-3.5	4.0	1.0	1.0
40633-007	B9-7.5	3.0	1.0	1.0
40633-008	B9-11.5	2.0	1.0	1.0
40633-009	B7-0	47	10	10
40633-010	B7-3.5	7.0	1.0	1.0
40633-010Dup	B7-3.5	3.0	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/07/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS635**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/30/99**
		Date Analyzed:	**01/04/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-011	B7-7.5	1.0	1.0	1.0
40633-012	B7-11.5	300	10	10
40633-013	B6-0	323	10	10
40633-014	B6-3.5	4.0	1.0	1.0
40633-015	B6-7.5	2.0	1.0	1.0
40633-016	B6-11.5	3.0	1.0	1.0
40633-017	B4-0	1380	10	10
40633-018	B4-3.5	5.0	1.0	1.0
40633-019	B4-7.5	5.0	1.0	1.0
40633-020	B4-11.5	7.0	1.0	1.0
40633-019Dup	B4-7.5	3.0	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/07/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Client:	**Geocon Environmental**	**QC Batch #:**	**L998015DS636**
Attn:	**Ross White**	**Date Sampled:**	**12/27/99**
		Date Received:	**12/28/99**
		Date Extracted:	**12/30/99**
		Date Analyzed:	**01/03/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40633-021	B3-0	189	1.0	1.0
40633-022	B3-3.5	18	1.0	10
40633-023	B3-7.5	18	1.0	10
40633-024	B3-11.5	5.0	1.0	1.0
40633-025	B2-0	275	10	10
40633-026	B2-3.5	68	10	10
40633-027	B2-7.5	2420	100	100
40633-028	B2-11.5	9.0	1.0	1.0
40633-022Dup	B3-3.5	13	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/07/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L1231027.D

	Spike Sample	Spike Duplicate Sample
File ID :	L1231039.D	L1231040.D
Sample :	40633-007,L998015DW634MS	40633-007,L998015DW634MSD
Acq Time:	3 Jan 2000 9:54 pm	3 Jan 2000 10:19 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	89.0	1000	758	731	67	64	5	37	42-142

QCBATCH#L998015DW634

Reviewed/Approved by: Co Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L0103054.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0103062.D	L0103063.D
Sample :	40633-018,L998015DS635MS MO	40633-018,L998015DS635MSD MO
Acq Time:	4 Jan 2000 1:30 pm	4 Jan 2000 1:56 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	164.0	1000	799	1136	64*	97*	40	37	40-140

*MS/MSD recoveries are below QC requirements. However, LCS is within control limits.

QCBATCH#L998015DS635

Reviewed/Approved by: C. Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L0103036.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0103044.D	L0103045.D
Sample :	40633-028,L998015DS636MS MO	40633-028,L998015DS636MSD MO
Acq Time:	4 Jan 2000 5:26 am	4 Jan 2000 5:51 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	271.8	1000	1333	951	133	95	33	37	42-140

QCBATCH#L998015DS636

Reviewed/Approved by: C. Persaud Date: 01/07/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		Method Blank		Method Blank		Method Blank		Method Blank		Method Blank	
Client Sample I.D.:		--		--		--		--		--	
Date Sampled:		--		--		--		--		--	
Date Analyzed:		01/06/2000		01/06/2000		01/06/2000		01/06/2000		01/10/2000	
QC Batch No:		000106GC12A1		000106GC12A1		000107GC12A1		000107GC12A1		000110GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	102	104	112	107	107
BFB (ElCD	88	92	89	93	102

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/25/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-001		40633-002		40633-003		40633-004		40633-005	
Client Sample I.D.:		B10-0		B10-3.5		B10-7.5		B10-11.5		B9-0	
Date Sampled:		12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
Date Analyzed:		01/06/2000		01/06/2000		01/06/2000		01/06/2000		01/07/2000	
QC Batch No:		000106GC12A1		000106GC12A1		000106GC12A1		000106GC12A1		000107GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	68	71	75	84	31*
BFB (ElCD	75	64	67	78	30*

* = Surrogate recovery low due to matrix effects. Sample reanalyzed to confirm.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/25/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-006		40633-007		40633-008		40633-009		40633-010	
Client Sample I.D.:		B9-3.5		B9-7.5		B9-11.5		B7-0		B7-3.5	
Date Sampled:		12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
Date Analyzed:		01/06/2000		01/06/2000		01/06/2000		01/06/2000		01/06/2000	
QC Batch No:		000106GC12A1		000106GC12A1		000106GC12A1		000106GC12A1		000106GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	92	85	79	13*	72
BFB (ElCD	78	74	70	14*	67

* = Surrogate recovery low due to matrix effects. Sample reanalyzed to confirm.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/25/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-011		40633-012		40633-013		40633-014		40633-015	
Client Sample I.D.:		B7-7.5		B7-11.5		B6-0		B6-3.5		B6-7.5	
Date Sampled:		12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
Date Analyzed:		01/06/2000		01/06/2000		01/06/2000		01/06/2000		01/07/2000	
QC Batch No:		000106GC12A1		000106GC12A1		000106GC12A1		000106GC12A1		000107GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	1.1	1.0	ND	1.0	1.6	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	83	82	42*	40*	81
BFB (ElCD	83	77	40*	35*	82

* = Surrogate recovery low due to matrix effects. Sample reanalyzed to confirm.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/25/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-016		40633-017		40633-018		40633-019		40633-020	
Client Sample I.D.:		B6-11.5		B4-0		B4-3.5		B4-7.5		B4-11.5	
Date Sampled:		12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
Date Analyzed:		01/07/2000		01/07/2000		01/07/2000		01/07/2000		01/07/2000	
QC Batch No:		000106GC12A1		000106GC12A1		000106GC12A1		000106GC12A1		000107GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	1.9	1.0	4.8	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	74	29*	54*	79	83
BFB (ElCD	67	29*	50*	74	69

* = Surrogate recovery low due to matrix effects. Sample reanalyzed to confirm.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/25/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-021		40633-022		40633-023		40633-024		40633-025	
Client Sample I.D.:		B3-0		B3-3.5		B3-7.5		B3-11.5		B2-0	
Date Sampled:		12/27/1999		12/27/1999		12/27/1999		12/27/1999		12/27/1999	
Date Analyzed:		01/07/2000		01/07/2000		01/07/2000		01/08/2000		01/10/2000	
QC Batch No:		000107GC12A1		000107GC12A1		000107GC12A1		000107GC12A1		000110GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	67	77	81	99	72
BFB (ElCD	64	67	68	87	55*

* = Surrogate recovery low due to matrix effects. Sample reanalyzed to confirm.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date 01/25/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 12/28/1999
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40633-026		40633-027		40633-028					
Client Sample I.D.:		B2-3.5		B2-7.5		B2-11.5					
Date Sampled:		12/27/1999		12/27/1999		12/27/1999					
Date Analyzed:		01/08/2000		01/10/2000		01/10/2000					
QC Batch No:		000107GC12A1		000110GC12A1		000110GC12A1					
Analyst Initials:		MJJ		MJJ		MJJ					
Dilution Factor:		1.0		1.0		1.0					
ANALYTE	MDL	Result	RL	Result	RL	Result	RL				
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0				
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0				
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0				
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0				
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0				
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0				
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0				
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0				
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0				
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0				
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0				
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0				
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0				
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0				
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0				
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0				
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0				
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0				
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0				
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0				
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0				
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0				
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0				
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0				
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0				
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0				

SURROGATE	%R	%R	%R
BFB (PID)	66	75	82
BFB (ElCD	60	61	70

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date 01/25/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000106GC12A1
MATRIX: Soil

EPA Method 8010

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40633-011		40633-011MS			40633-011MSD					
Date Analyzed:		01/06/2000		01/06/2000			01/06/2000					
Time Analyzed:		3:03		1:45			2:32					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0			Spike Amt. = added amt X DF		
ANALYTE	MDL	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt.
Vinyl chloride	1.0	ND	1.0	102	60	140	104	60	140	2.0	30	20
Methylene chloride	1.0	ND	1.0	73	60	140	75	60	140	3.1	30	20
Trichloroethene	1.0	ND	1.0	101	60	140	99	60	140	1.7	30	20
Chlorobenzene	1.0	ND	1.0	89	60	140	87	60	140	2.4	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	105	60	140	95	60	140	9.5	30	20
SURROGATE		%R		%R			%R					
BFB		83		103			96					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/25/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: C:\Star\000103\06jan_adcb.16_1009.run
MS Datafile: C:\Star\000103\06jan_adcb.16_1007.run
MSD Datafile: C:\Star\000103\06jan_adcb.16_1008.run

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000106GC12A1
MATRIX: Soil

EPA Method 8020

Lab No:	Non-Spiked Sample	Matrix Spike	Spike Duplicate
Client Sample I.D.:	40633-011	40633-011MS 40 ML	40633-011MSD
Date Analyzed:	01/06/2000	01/06/2000	01/06/2000
Time Analyzed:	3:03	1:45	2:32
Analyst Initials:	MJJ	MJJ	MJJ
Dilution Factor:	1.0	1.0	1.0

ANALYTE	MDL (ug/Kg	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt
Benzene	1.0	ND	1.0	85	60	140	81	60	140	4.9	30	20
Toluene	1.0	ND	1.0	85	60	140	81	60	140	4.8	30	20
Chlorobenzene	1.0	ND	1.0	89	60	140	84	60	140	6.6	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	92	60	140	86	60	140	6.4	30	20

SURROGATE	%R	%R	%R
BFB	83	110	102

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/25/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: C:\Star\000103\06jan_3800.44_1009.run
MS Datafile: C:\Star\000103\06jan_3800.44_1007.run
MSD Datafile: C:\Star\000103\06jan_3800.44_1008.run

Non-Spike Method file: C:\Star\methods\low000105.mth
MS Method File: C:\Star\methods\low000105.mth
MSD Method File: C:\Star\methods\low000105.mth

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000107GC12A1
MATRIX: Soil

EPA Method 8010

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40633-015		40633-015MS			40633-015MSD					
Date Analyzed:		01/07/2000		01/07/2000			01/07/2000					
Time Analyzed:		1:14		1:46			2:18					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0			Spike Amt. = added amt X DF		
ANALYTE	MDL	Result (ug/L)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt.
Vinyl chloride	1.0	ND	1.0	80	60	140	78	60	140	2.4	30	20
Methylene chloride	1.0	ND	1.0	64	60	140	64	60	140	0.3	30	20
Trichloroethene	1.0	ND	1.0	78	60	140	85	60	140	9.1	30	20
Chlorobenzene	1.0	ND	1.0	70	60	140	71	60	140	2.3	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	71	60	140	75	60	140	5.9	30	20
SURROGATE		%R		%R			%R					
BFB		82		68			72					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/25/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: C:\Star\000103\07jan_adcb.16_1007.run
MS Datafile: C:\Star\000103\07jan_adcb.16_1008.run
MSD Datafile: C:\Star\000103\07jan_adcb.16_1009.run

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000107GC12A1
MATRIX: Soil

EPA Method 8020

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40633-015		40633-015MS			40633-015MSD					
Date Analyzed:		01/07/2000		01/07/2000			01/07/2000					
Time Analyzed:		1:14		1:46			2:18					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0					
ANALYTE	MDL (ug/Kg	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt
Benzene	1.0	ND	1.0	64	60	140	66	60	140	3.9	30	20
Toluene	1.0	ND	1.0	63	60	140	65	60	140	2.9	30	20
Chlorobenzene	1.0	ND	1.0	67	60	140	68	60	140	1.5	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	65	60	140	65	60	140	0.4	30	20
SURROGATE		%R		%R			%R					
BFB		81		84			83					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/25/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: C:\Star\000103\07jan_3800.44_1007.run
MS Datafile: C:\Star\000103\07jan_3800.44_1008.run
MSD Datafile: C:\Star\000103\07jan_3800.44_1009.run

Non-Spike Method file: C:\Star\methods\low000105.mth
MS Method File: C:\Star\methods\low000105.mth
MSD Method File: C:\Star\methods\low000105.mth

The cover letter is an integral part of this analytical report

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Number of Pages: 7
Date Received : 12/29/99
Date Reported : 01/21/00

Attn : Compton Persaud
Phone: 562/989-4045

AETL Job Number: 14061
Project Number : PO#21005

Enclosed please find results of analyses of 10 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Joe Serrano

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

PRELIMINARY DATA
Q C PENDING

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14061
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

	B10-0	B10-3.5	B10-7.5	B10-11.5	
Lab ID:	AE68158	AE68159	AE68160	AE68161	
Sample No:	40633-001	40633-002	40633-003	40633-004	
Date Sampled:	12/27/99	12/27/99	12/27/99	12/27/99	
Date Extracted:	12/30/99	12/30/99	12/30/99	12/30/99	Detection
Date Analyzed:	01/03/00	01/03/00	12/30/99	12/30/99	Limit
Benzo(a)anthracene	ND	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	ND	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	ND	0.020
Chrysene	ND	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	0.058	0.087	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	ND	0.020
Fluorene	ND	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	ND	0.020
Pyrene	ND	0.023	0.022	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68158	AE68159	AE68160	AE68161
Surrogate Percent Recovery				
P- Terphenyl-d14	104	99	88	89

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14061
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310)
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	B9-0 AE68162	
Sample No:	40633-005	
Date Sampled:	12/27/99	
Date Extracted:	12/30/99	
Date Analyzed:	01/03/00	
		Detection Limit
Benzo(a)anthracene	0.314	0.080
Benzo(a)pyrene	0.386	0.080
Benzo(b)fluoranthene	0.596	0.080
Benzo(k)fluoranthene	0.162	0.080
Chrysene	0.170	0.080
Dibenzo(a,h)anthracene	1.06	0.080
Indeno(1,2,3-cd)pyrene	0.408	0.080
Acenaphthene	0.177	0.080
Acenaphthylene	ND	0.080
Anthracene	0.099	0.080
Benzo(ghi)perylene	0.523	0.080
Fluoranthene	0.740	0.080
Fluorene	0.083	0.080
Naphthalene	0.153	0.080
Phenanthrene	0.922	0.080
Pyrene	0.799	0.080

QUALITY CONTROL SUMMARY

Lab ID:	AE68162
Surrogate Percent Recovery	
P- Terphenyl-d14	107

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14061
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310)
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

	B9-3.5	B9-7.5	B9-11.5	
Lab ID:	AE68163	AE68164	AE68165	
Sample No:	40633-006	40633-007	40633-008	
Date Sampled:	12/27/99	12/27/99	12/27/99	
Date Extracted:	12/30/99	12/30/99	12/30/99	Detection Limit
Date Analyzed:	12/30/99	12/30/99	12/30/99	
Benzo(a)anthracene	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	0.020
Chrysene	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	0.020
Fluorene	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	0.020
Pyrene	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68163	AE68164	AE68165
Surrogate Percent Recovery			
P- Terphenyl-d14	86	82	85

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14061
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
87-0 Units: mg/Kg

Lab ID:	AE68166	
Sample No:	40633-009	
Date Sampled:	12/27/99	
Date Extracted:	12/30/99	
Date Analyzed:	01/03/00	
		Detection Limit
Benzo(a)anthracene	0.280	0.080
Benzo(a)pyrene	0.260	0.080
Benzo(b)fluoranthene	0.572	0.080
Benzo(k)fluoranthene	0.138	0.080
Chrysene	0.207	0.080
Dibenzo(a,h)anthracene	1.32	0.080
Indeno(1,2,3-cd)pyrene	0.313	0.080
Acenaphthene	0.362	0.080
Acenaphthylene	ND	0.080
Anthracene	0.206	0.080
Benzo(ghi)perylene	0.284	0.080
Fluoranthene	1.34	0.080
Fluorene	0.264	0.080
Naphthalene	0.302	0.080
Phenanthrene	1.95	0.080
Pyrene	1.02	0.080

QUALITY CONTROL SUMMARY

Lab ID: AE68166

Surrogate Percent Recovery	
P- Terphenyl-d14	95

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14061
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310)
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

B7-3.5

Lab ID:	AE68167	AE68168	
Sample No:	40633-010	METHOD BLANK	
Date Sampled:	12/27/99	12/27/99	
Date Extracted:	12/30/99	12/30/99	Detection
Date Analyzed:	12/30/99	12/30/99	Limit
Benzo(a)anthracene	ND	ND	0.020
Benzo(a)pyrene	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	0.020
Benzo(k)fluoranthene	ND	ND	0.020
Chrysene	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	0.020
Acenaphthene	ND	ND	0.020
Acenaphthylene	ND	ND	0.020
Anthracene	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	0.020
Fluoranthene	ND	ND	0.020
Fluorene	ND	ND	0.020
Naphthalene	ND	ND	0.020
Phenanthrene	ND	ND	0.020
Pyrene	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68167	AE68168
Surrogate Percent Recovery		
P- Terphenyl-d14	85	80

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14061

PROJECT: PO#21005
SITE: ----------
DATE SAMPLED: 12-27-99
DATE SUBMITTED: 12-29-99
DATE ANALYSIS COMPLETED: 12-30-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	492	98
Acenaphthylene	1,000	979	98
Anthracene	50	43.8	88
Benzo(a)anthracene	50	45.2	90
Benzo(a)pyrene	50	43.2	86
Benzo(b)fluoranthene	100	95.0	95
Benzo(g,h,i)perylene	100	94.0	94
Benzo (k) fluoranthene	50	44.0	88
Chrysene	50	43.1	86
Dibenzo (a, h) anthracene	100	103	103
Fluoranthene	100	92.6	93
Fluorene	100	90	91
Indeno (1,2,3-cd) pyrene	50	45.3	91
Naphthalene	500	489	98
Phenanthrene	50	43.9	88
Pyrene	50	42.0	84

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Number of Pages: 9
Date Received : 12/29/99
Date Reported : 01/21/00

Attn : Compton Persaud
Phone: 562/989-4045

AETL Job Number: 14062
Project Number : PO#21005

Enclosed please find results of analyses of 18 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Joe Sevlean

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

PRELIMINARY DATA
Q C PENDING

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	B7-7.5 AE68169	B7-11.5 AE68170	B6-0 AE68171	B6-3.5 AE68172	
Sample No:	40633-011	40633-012	40633-013	40633-014	
Date Sampled:	12/27/99	12/27/99	12/27/99	12/27/99	
Date Extracted:	12/30/99	12/30/99	12/30/99	12/30/99	
Date Analyzed:	12/30/99	12/30/99	12/30/99	12/30/99	Detection Limit
Benzo(a)anthracene	ND	ND	0.020	ND	0.020
Benzo(a)pyrene	ND	ND	0.041	0.020	0.020
Benzo(b)fluoranthene	ND	ND	0.081	0.029	0.020
Benzo(k)fluoranthene	ND	ND	0.021	ND	0.020
Chrysene	ND	ND	0.063	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	0.137	0.036	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	0.040	0.027	0.020
Acenaphthene	ND	ND	0.105	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	0.060	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020	0.020
Fluoranthene	ND	ND	0.258	0.033	0.020
Fluorene	ND	ND	0.081	ND	0.020
Naphthalene	ND	ND	0.085	ND	0.020
Phenanthrene	ND	ND	0.419	0.029	0.020
Pyrene	ND	ND	0.185	0.041	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68169	AE68170	AE68171	AE68172
Surrogate Percent Recovery				
P- Terphenyl-d14	84	82	80	83

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud

Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68173 (B6-7.5)	AE68174 (B6-11.5)	AE68175 (B4-0)	AE68176 (B4-3.5)	Detection Limit
Sample No:	40633-015	40633-016	40633-017	40633-018	
Date Sampled:	12/27/99	12/27/99	12/27/99	12/27/99	
Date Extracted:	01/03/00	01/03/00	01/03/00	01/03/00	
Date Analyzed:	01/03/00	01/03/00	01/03/00	01/03/00	
Benzo(a)anthracene	ND	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	0.054	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	ND	0.020
Chrysene	ND	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	0.121	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	0.020	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	ND	0.020
Fluoranthene	ND	ND	0.073	ND	0.020
Fluorene	ND	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	ND	ND	0.126	ND	0.020
Pyrene	ND	ND	0.078	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68173	AE68174	AE68175	AE68176
Surrogate Percent Recovery				
P- Terphenyl-d14	84	84	106	87

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	85	84	1.2
Naphthalene	96	97	1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68177 (B4-7.5)	AE68178 (B4-11.5)	AE68179 (B3-0)	AE68180 (B3-3.5)	Detection Limit
Sample No:	40633-019	40633-020	40633-021	40633-022	
Date Sampled:	12/27/99	12/27/99	12/27/99	12/27/99	
Date Extracted:	01/03/00	01/03/00	01/03/00	01/03/00	
Date Analyzed:	01/03/00	01/03/00	01/03/00	01/03/00	
Benzo(a)anthracene	ND	ND	0.024	ND	0.020
Benzo(a)pyrene	ND	ND	0.030	ND	0.020
Benzo(b)fluoranthene	ND	ND	0.046	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	ND	0.020
Chrysene	ND	ND	0.040	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	0.020	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	0.033	ND	0.020
Acenaphthene	ND	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	0.020	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	ND	0.020
Fluoranthene	ND	ND	0.137	ND	0.020
Fluorene	ND	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	ND	ND	0.160	ND	0.020
Pyrene	ND	ND	0.122	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68177	AE68178	AE68179	AE68180
Surrogate Percent Recovery				
P- Terphenyl-d14	81	84	100	86

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	85	84	1.2
Naphthalene	96	97	1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	B3-7.5 AE68181	B3-11.5 AE68182	B2-0 AE68183	B2-3.5 AE68184	
Sample No:	40633-023	40633-024	40633-025	40633-026	
Date Sampled:	12/27/99	12/27/99	12/27/99	12/27/99	
Date Extracted:	01/03/00	01/03/00	01/03/00	01/03/00	Detection
Date Analyzed:	01/03/00	01/03/00	01/03/00	01/03/00	Limit
Benzo(a)anthracene	ND	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	ND	0.020
Benzo(b)fluoranthene	0.022	ND	0.027	0.023	0.020
Benzo(k)fluoranthene	ND	ND	ND	ND	0.020
Chrysene	ND	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	0.041	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.020
Acenaphthene	0.026	ND	0.020	0.036	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020	0.020
Benzo(ghi)perylene	ND	ND	ND	ND	0.020
Fluoranthene	0.072	ND	0.054	0.087	0.020
Fluorene	0.021	ND	ND	0.024	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	0.104	ND	0.081	0.127	0.020
Pyrene	0.053	ND	0.042	0.062	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68181	AE68182	AE68183	AE68184
Surrogate Percent Recovery				
P- Terphenyl-d14	84	85	79	103

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	85	84	1.2
Naphthalene	96	97	1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68185	AE68186	AE68187	
Sample No:	40633-027	40633-028	METHOD BLANK	
Date Sampled:	12/27/99	12/27/99	12/27/99	
Date Extracted:	01/03/00	01/03/00	01/03/00	Detection
Date Analyzed:	01/03/00	01/03/00	01/03/00	Limit
	B2-7.5	B2-11.5		
Benzo(a)anthracene	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	0.020
Chrysene	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	0.020
Fluorene	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	0.020
Pyrene	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68185	AE68186	AE68187
Surrogate Percent Recovery			
P- Terphenyl-d14	80	92	95

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	85	84	1.2
Naphthalene	96	97	1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14062
Project ID: PO#21005

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68187	
Sample No:	METHOD BLANK	
Date Sampled:	12/27/99	
Date Extracted:	12/30/99	
Date Analyzed:	12/30/99	
		Detection Limit
Benzo(a)anthracene	ND	0.020
Benzo(a)pyrene	ND	0.020
Benzo(b)fluoranthene	ND	0.020
Benzo(k)fluoranthene	ND	0.020
Chrysene	ND	0.020
Dibenzo(a,h)anthracene	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	0.020
Acenaphthene	ND	0.020
Acenaphthylene	ND	0.020
Anthracene	ND	0.020
Benzo(ghi)perylene	ND	0.020
Fluoranthene	ND	0.020
Fluorene	ND	0.020
Naphthalene	ND	0.020
Phenanthrene	ND	0.020
Pyrene	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68187
Surrogate Percent Recovery	
P- Terphenyl-d14	80

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	88	85	3.5
Benzo(a)pyrene	81	80	1.2
Naphthalene	91	88	3.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14062

PROJECT: PO#21005
SITE: ----------
DATE SAMPLED: 12-27-99
DATE SUBMITTED: 12-29-99
DATE ANALYSIS COMPLETED: 12-30-99
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	492	98
Acenaphthylene	1,000	979	98
Anthracene	50	43.8	88
Benzo(a)anthracene	50	45.2	90
Benzo(a)pyrene	50	43.2	86
Benzo(b)fluoranthene	100	95.0	95
Benzo(g,h,i)perylene	100	94.0	94
Benzo (k) fluoranthene	50	44.0	88
Chrysene	50	43.1	86
Dibenzo (a, h) anthracene	100	103	103
Fluoranthene	100	92.6	93
Fluorene	100	91	91
Indeno (1,2,3-cd) pyrene	50	45.3	91
Naphthalene	500	489	98
Phenanthrene	50	43.9	88
Pyrene	50	42.0	84

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are.
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14062

PROJECT: PO#21005
SITE: ----------
DATE SAMPLED: 12-27-99
DATE SUBMITTED: 12-29-99
DATE ANALYSIS COMPLETED: 01-03-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	467	93
Acenaphthylene	1,000	932	93
Anthracene	50	43.3	87
Benzo(a)anthracene	50	43.3	87
Benzo(a)pyrene	50	40.9	82
Benzo(b)fluoranthene	100	93	93
Benzo(g,h,i)perylene	100	91.7	92
Benzo (k) fluoranthene	50	43.2	86
Chrysene	50	40.8	82
Dibenzo (a, h) anthracene	100	102	102
Fluoranthene	100	90.0	90
Fluorene	100	89.5	90
Indeno (1,2,3-cd) pyrene	50	49.5	99
Naphthalene	500	471	94
Phenanthrene	50	42.8	86
Pyrene	50	42.3	85

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤ 25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: DB Date: 12-28 Time: 1120

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC. Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: GEOCON - PLEASANTON
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: OAKLAND MOLE Project #: E8000-06-13 Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) [signature] Date: 12-28-99 Time: 10:00
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)
TEST:
ATL #:
DATE:
CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/27/99
Print Name
[signature]
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Pesticides and PCBs → Report for Both
Metals 48-HR TAT. EVERYTHING ELSE STANDARD TAT.

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M (TPH-G)	8015M TPH/D (Diesel-GC) + Motor Oil	418.1 (TPH-IR)	Metals-Total (CAC 6010/7000) Ti+422	8021 VOCs	8100 PAHs	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40633-001	B10-0	12/27	840			X				X	X		X	X	X	X							48HR	1	TP		
	002	B10-3.5		846			X				X	X		X	X	X												
	003	B10-7.5		857							X	X		X	X	X												
	004	B10-11.5		902							X	X		X	X	X												
	005	B9-0		911			X				X	X		X	X	X												
	006	B9-3.5		913			X				X	X		X	X	X												
	007	B9-7.5		916							X	X		X	X	X												
	008	B9-11.5		918							X	X		X	X	X												
	009	B7-0		927			X				X	X		X	X	X												
	010	B7 3.5		928			X				X	X		X	X	X												

• TAT starts 8 a[illegible] following day if samples rece[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2[illegible]kdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNC[illegible] H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [signature] Date: 12-28 Time: 1120

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y ☑ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐
4. SEALED Y ☐ N ☑
5. # OF SPLS MATCH COC Y ☑ N ☐
6. PRESERVED Y ☐ N ☑

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mulch Project #: EEV00-06-13 Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 12-28-99 Time: 10:00
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/27/99
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC) + Metals 0.1; 418.1 (TPH-IR); Metals-Total (CAC-6010/7000) Title 22; 8021 VOCs; 8100 PAHs

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	608/8080	624/8240	8260	625/8270	8015M TPHG/BTEX	8015M TPH/D	418.1	Metals-Total	8021 VOCs	8100 PAHs	SOLID • SOIL SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40633-011	B7-7.5	12/27	931							X	X		X	X	X	X							48Hr	1	T P		
	012	B7-11.5		934							X	X		X	X	X												
	013	B6-Ø		944			X				X	X		X	X	X												
	014	B6-3.5		945			X				X	X		X	X	X												
	015	B6-7.5		946							X	X		X	X	X												
	016	B6-11.5		949							X	X		X	X	X												
	017	B4-0		959			X				X	X		X	X	X												
	018	B4-3.5		1000			X				X	X		X	X	X												
	019	B4-7.5		1002							X	X		X	X	X												
	020	B4-11.5		1007							X	X		X	X	X												

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [illegible] Date: 12-28 Time: 1120

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y ☑ N ☐ 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☑

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole Project #: E8000-06-13 Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Walvard Date: 12-28-99 Time: 10:00
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/27/99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
See pg 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG (COMBINATION); 8015M TPH/D (Diesel-GC) + Match; 418.1 (TPH-IR); Metals-Total (CAM 6010/7000) Tbl 22; 8021 VOCs; 8100 PAHs

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☑ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	608/8080	624/8240	8260	625/8270	8015M TPHG	8015M TPH/D	418.1	Metals-Total	8021 VOCs	8100 PAHs	SOLID (SOIL)	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40633-021	B3-0	12/27	1016			X				X	X		X	X	X	X							48 hr	1	TP		
	022	B3-3.5	↓	1017			X				X	X		X	X	X	↓							↓		↓		
	023	B3-7.5		1019							X	X		X	X	X												
	024	B3-11.5		1022							X	X		X	X	X												
	025	B2-0		1031			X				X	X		X	X	X												
	026	B2-3.5		1033			X				X	X		X	X	X												
	027	B2-7.5		1035							X	X		X	X	X												
	028	B2-11.5	↓	1037							X	X		X	X	X	↓							↓		↓		

• TAT starts 8 a.m. following day if samples rec[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible] workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO[illegible] S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

January 17, 2000 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Lab No.: 40784-001/006

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Samples for 8011 were subcontracted to D-Tek Labs.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: GEOCON -Pleasanton
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/2000
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		Method Blank		40784-003		40784-004		40784-005		40784-006	
Client Sample I.D.:		--		B1-0		B1-3.5		B1-7.5		B1-11.5	
Date Sampled:		--		01/05/2000		01/05/2000		01/05/2000		01/05/2000	
Date Analyzed:		01/13/2000		01/13/2000		01/13/2000		01/13/2000		01/13/2000	
QC Batch No:		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	1.3	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	88	31*	15*	24*	62
BFB (ElCD	109	47*	24*	40*	108

* = Surrogate recovery outside limit due to sample matrix effects. Analysis confirmed by duplicate run.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/24/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8010

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0			Spike Amt. = added amt X DF		
ANALYTE	MDL	Result (ug/L)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt.
Vinyl chloride	1.0	ND	1.0	67	60	140	83	60	140	21	30	20
Methylene chloride	1.0	ND	1.0	70	60	140	75	60	140	6.8	30	20
Trichloroethene	1.0	ND	1.0	84	60	140	94	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	78	60	140	86	60	140	9.8	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	77	60	140	80	60	140	4.5	30	20
SURROGATE		%R		%R			%R					
BFB		70		79			79					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/24/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_adcb.16_1010.run
MS Datafile: c:\star\000110\12jan_adcb.16_1011.run
MSD Datafile: c:\star\000110\12jan_adcb.16_1012.run

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8020

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0					
ANALYTE	MDL (ug/Kg	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt
Benzene	1.0	ND	1.0	74	60	140	81	60	140	9.7	30	20
Toluene	1.0	ND	1.0	74	60	140	82	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	74	60	140	82	60	140	10	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	61	60	140	65	60	140	6.9	30	20
SURROGATE		%R		%R			%R					
BFB		66		77			83					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/24/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_3800.44_1010.run
MS Datafile: c:\star\000110\12jan_3800.44_1011.run
MSD Datafile: c:\star\000110\12jan_3800.44_1012.run

Non-Spike Method file: C:\Star\methods\GC000112.mth
MS Method File: C:\Star\methods\GC000112.mth
MSD Method File: C:\Star\methods\GC000112.mth

The cover letter is an integral part of this analytical report

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Dissolved Metals)

Lab No.:		40784-001	40784-002						
Client Sample I.D.:		B1-WS	B1-WD						
Date Sampled:		01/05/00	01/05/00						
Date Digested:		01/07/00	01/07/00						
Date Analyzed:		01/10/00	01/10/00						
Analyst Initials:		DJ/HP	DJ/HP						
Dilution Factor:		1	1						
ANALYTE*	DLR	RESULTS							
Antimony	0.005	0.006	ND						
Arsenic	0.005	ND	ND						
Barium	0.001	0.12	2.7						
Beryllium	0.001	ND	ND						
Cadmium	0.003	ND	ND						
Chromium	0.003	ND	ND						
Cobalt	0.003	ND	ND						
Copper	0.003	0.010	0.017						
Lead	0.005	ND	ND						
Mercury **	0.004	ND	ND						
Molybdenum	0.005	0.023	ND						
Nickel	0.003	0.006	0.003						
Selenium	0.005	0.008	0.005						
Silver	0.001	0.025	0.015						
Thallium	0.005	ND	ND						
Vanadium	0.003	0.004	ND						
Zinc	0.010	ND	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/07/00

Reviewed/Approved By: _____ Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Total Metals)

Lab No.:		40784-001	40784-002	40784-002Dup					
Client Sample I.D.:		B1-WS	B1-WD	B1-WD					
Date Sampled:		01/05/00	01/05/00	01/05/00					
Date Digested:		01/07/00	01/07/00	01/07/00					
Date Analyzed:		01/10/00	01/10/00	01/10/00					
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP					
Dilution Factor:		1	1	1					
ANALYTE*	DLR	RESULTS							
Antimony	0.005	0.015	0.011	0.014					
Arsenic	0.005	0.15	0.25	0.25					
Barium	0.001	7.9	4.7	4.7					
Beryllium	0.001	0.003	ND	ND					
Cadmium	0.003	0.011	ND	ND					
Chromium	0.003	0.71	1.1	1.1					
Cobalt	0.003	0.44	0.29	0.30					
Copper	0.003	2.8	0.66	0.67					
Lead	0.005	17	0.16	0.16					
Mercury **	0.004	0.006	ND	ND					
Molybdenum	0.005	0.083	0.086	0.093					
Nickel	0.003	0.97	1.4	1.4					
Selenium	0.005	0.011	ND	0.007					
Silver	0.001	0.040	0.018	0.019					
Thallium	0.005	0.017	ND	ND					
Vanadium	0.003	0.67	0.88	0.89					
Zinc	0.010	4.7	1.1	1.1					

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/07/00

Reviewed/Approved By: _____ Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000110-3

QA File: 0010-3

Date Analyzed: 1/10/00

Date Digested: 1/7/00

Sample ID: 40784-002

Matrix: Water

QC Batch No: ICAP00110W-3

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/L	1.0	0.92	92	ND	0.011	0.014	24	5.0	3.7	3.8	74	76	50-150	3	11	0.005
Arsenic	mg/L	1.0	0.90	90	ND	0.25	0.25	0	5.0	3.7	3.7	69	69	57-126	0	9	0.005
Barium	mg/L	1.0	0.95	95	ND	4.70	4.70	0	5.0	4.3	4.3	8	8	58-124	0	12	0.001
Beryllium	mg/L	1.0	0.90	90	ND	ND	ND	0	5.0	3.6	3.6	72	72	48-124	0	11	0.001
Cadmium	mg/L	1.0	0.95	95	ND	ND	ND	0	5.0	3.6	3.6	72	72	55-122	0	10	0.003
Chromium	mg/L	1.0	0.91	91	ND	1.1	1.1	0	5.0	3.7	3.7	52	52	59-123	0	9	0.003
Cobalt	mg/L	1.0	0.89	89	ND	0.29	0.30	3	5.0	3.5	3.5	64	64	60-119	0	8	0.003
Copper	mg/L	1.0	0.99	99	ND	0.66	0.67	2	5.0	3.9	3.9	65	65	76-114	0	11	0.003
Lead	mg/L	1.0	0.93	93	ND	0.16	0.16	0	5.0	3.7	3.7	71	71	67-119	0	9	0.005
Molybdenum	mg/L	1.0	0.92	92	ND	0.086	0.093	8	5.0	3.6	3.6	70	70	67-115	0	17	0.005
Nickel	mg/L	1.0	0.94	94	ND	1.4	1.4	0	5.0	3.7	3.7	46	46	57-120	0	10	0.003
Selenium	mg/L	1.0	0.88	88	ND	ND	0.007	*	5.0	3.7	3.7	74	74	41-136	0	10	0.005
Silver	mg/L	1.0	0.89	89	ND	0.018	0.019	5	5.0	3.1	3.1	62	62	24-155	0	13	0.001
Thallium	mg/L	1.0	0.93	93	ND	ND	ND	0	5.0	3.6	3.6	72	72	62-123	0	9	0.005
Vanadium	mg/L	1.0	0.92	92	ND	0.88	0.89	1	5.0	3.8	3.8	58	58	62-120	0	10	0.003
Zinc	mg/L	1.0	0.96	96	ND	1.1	1.1	0	5.0	3.6	3.6	50	50	35-126	0	16	0.010

*% Dev not calculated, result at/near detection limit.

Approved by: _____

Cheryl De Los Reyes

Technical Operations Manager

Date: 1/18/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7470/245.1
Analyst: DJ
Data File: 00107W-1
QA File: 0007-1

ANALYTE: MERCURY
Date Analyzed: 1/7/00
Date Digested: 1/7/00
Matrix: WATER
QC Batch No: HG000107W-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40792-008	mg/L	0.025	0.024	96	ND	ND	0.020	0.020	0.020	100	100	63-139	0	20	0.004

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/18/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		40784-003	40784-004	40784-005	40784-006	40784-006Dup			
Client Sample ID:		B1-0	B1-3.5	B1-7.5	B1-11.5	B1-11.5			
Date Sampled:		01/05/00	01/05/00	01/05/00	01/05/00	01/05/00			
Date Digested:		01/10/00	01/10/00	01/10/00	01/10/00	01/10/00			
Date Analyzed:		01/10/00	01/10/00	01/10/00	01/10/00	01/10/00			
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP	DJ/HP	DJ/HP			
Dilution Factor:		1	1	1	1	1			
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.44	ND	ND	ND	ND			
Arsenic	0.25	1.8	0.930	1.4	1.1	1.2			
Barium	0.05	79	25	93	20	20			
Beryllium	0.05	ND	ND	ND	ND	ND			
Cadmium	0.15	ND	ND	ND	ND	ND			
Chromium	0.15	7.2	3.5	4.4	8.0	8.0			
Cobalt	0.15	7.3	1.5	5.3	2.8	2.7			
Copper	0.15	15	4.4	21	14	14			
Lead	0.25	139	10	57	17	17			
Mercury **	0.10	ND	ND	ND	ND	ND			
Molybdenum	0.25	1.1	0.53	0.50	0.29	0.30			
Nickel	0.15	12	7.4	13	15	15			
Selenium	0.25	0.88	0.69	0.76	0.81	0.60			
Silver	0.05	ND	ND	ND	ND	ND			
Thallium	0.25	0.74	ND	ND	ND	ND			
Vanadium	0.15	16	3.0	4.5	6.1	6.0			
Zinc	0.50	28	7.7	27	17	16			

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed on 01/07/00

Reviewed/Approved By: _____ Date: 1/10/00
Cheryl de los Reyes
Technical Operations Manager

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
Geocon-Pleasanton
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000110-2

QA File: 0010-2

Date Analyzed: 1/10/00

Date Digested: 1/10/00

Sample ID: 40784-006

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP000110S-2

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.91	91	ND	ND	ND	0	62.5	44	47	70	75	32-110	7	23	0.25
Arsenic	mg/kg	1.0	0.89	89	ND	1.1	1.2	9	62.5	52	55	81	86	68-105	6	7	0.25
Barium	mg/kg	1.0	0.95	95	ND	20	20	0	62.5	74	77	86	91	22-170	4	30	0.05
Beryllium	mg/kg	1.0	0.89	89	ND	ND	ND	0	62.5	51	54	82	86	47-134	6	7	0.05
Cadmium	mg/kg	1.0	0.95	95	ND	ND	ND	0	62.5	52	55	83	88	65-106	6	7	0.15
Chromium	mg/kg	1.0	0.87	87	ND	8.0	8.0	0	62.5	60	63	83	88	61-128	5	10	0.15
Cobalt	mg/kg	1.0	0.84	84	ND	2.8	2.7	4	62.5	53	56	80	85	68-112	6	7	0.15
Copper	mg/kg	1.0	0.97	97	ND	14	14	0	62.5	61	65	75	82	60-133	6	18	0.15
Lead	mg/kg	1.0	0.91	91	ND	17	17	0	62.5	68	73	82	90	68-106	7	10	0.25
Molybdenum	mg/kg	1.0	0.88	88	ND	0.29	0.30	3	62.5	51	54	81	86	67-107	6	14	0.25
Nickel	mg/kg	1.0	0.93	93	ND	15	15	0	62.5	68	72	85	91	29-155	6	24	0.15
Selenium	mg/kg	1.0	0.86	86	ND	0.81	0.60	30	62.5	49	51	77	80	51-114	4	13	0.25
Silver	mg/kg	1.0	0.91	91	ND	ND	ND	0	62.5	51	54	82	86	45-111	6	14	0.05
Thallium	mg/kg	1.0	0.92	92	ND	ND	ND	0	62.5	53	56	85	90	60-111	6	6	0.25
Vanadium	mg/kg	1.0	0.88	88	ND	6.1	6.0	2	62.5	59	62	85	89	71-116	5	12	0.15
Zinc	mg/kg	1.0	0.95	95	ND	17	16	6	62.5	66	70	78	85	47-128	6	30	0.50

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/10/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7471A
Analyst: DJ/SER
Data File: 00107S-1
QA File: 0007-1

ANALYTE MERCURY
Date Digested: 1/7/00
Date Analyzed: 1/7/00
Matrix: SOIL/SLUDGE
QC Batch No: HG000107S-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL C	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40768-023	mg/kg	0.025	0.026	104	ND	ND	0.83	0.61	0.63	73	76	50-147	3	30	0.10
40784-006	mg/kg	0.025	0.025	100	ND	ND	0.83	0.62	0.64	75	77	50-147	3	30	0.10

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/10/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:	Method Blank		40784-001		40784-002							
Client Sample I.D.:	--		B1-WS		B1-WD							
Date Sampled:	--		01/05/00		01/05/00							
QC Batch #:	S008270W307		S008270W307		S008270W307							
Date Extracted:	01/07/00		01/07/00		01/07/00							
Date Analyzed:	01/07/00		01/07/00		01/07/00							
Analyst Initials:	HL		HL		HL							
Dilution Factor:	1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	10	10	ND	10	ND	10	ND						
bis (2-Chloroethyl)ether	10	10	ND	10	ND	10	ND						
2-Chlorophenol	10	10	ND	10	ND	10	ND						
1,3-Dichlorobenzene	10	10	ND	10	ND	10	ND						
1,4-Dichlorobenzene	10	10	ND	10	ND	10	ND						
Benzyl Alcohol	10	10	ND	10	ND	10	ND						
1,2-Dichlorobenzene	10	10	ND	10	ND	10	ND						
2-Methylphenol	10	10	ND	10	ND	10	ND						
bis(2-chloroisopropyl)ether	10	10	ND	10	ND	10	ND						
n-Nitroso-di-n-propylamine	10	10	ND	10	ND	10	ND						
4-Methylphenol	10	10	ND	10	ND	10	ND						
Hexachloroethane	10	10	ND	10	ND	10	ND						
Nitrobenzene	10	10	ND	10	ND	10	ND						
Isophorone	10	10	ND	10	ND	10	ND						
2-Nitrophenol	10	10	ND	10	ND	10	ND						
2,4-Dimethylphenol	10	10	ND	10	ND	10	ND						
bis(2-Chloroethoxy)methane	10	10	ND	10	ND	10	ND						
2,4-Dichlorophenol	10	10	ND	10	ND	10	ND						
Benzoic Acid	50	50	ND	50	ND	50	ND						
1,2,4-Trichlorobenzene	10	10	ND	10	ND	10	ND						
Naphthalene	10	10	ND	10	ND	10	ND						
4-Chloroaniline	10	10	ND	10	ND	10	ND						
Hexachlorobutadiene	10	10	ND	10	ND	10	ND						
4-Chloro-3-methylphenol	10	10	ND	10	ND	10	ND						
2-Methylnaphthalene	10	10	ND	10	ND	10	ND						
Hexachlorocyclopentadiene	10	10	ND	10	ND	10	ND						
2,4,6-Trichlorophenol	10	10	ND	10	ND	10	ND						
2,4,5-Trichlorophenol	10	10	ND	10	ND	10	ND						
2-Chloronaphthalene	10	10	ND	10	ND	10	ND						
2-Nitroaniline	10	10	ND	10	ND	10	ND						
Dimethylphthalate	10	10	ND	10	ND	10	ND						
Acenaphthylene	10	10	ND	10	ND	10	ND						
2,6-Dinitrotoluene	10	10	ND	10	ND	10	ND						
3-Nitroaniline	10	10	ND	10	ND	10	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		40784-001		40784-002							
Client Sample I.D.:		--		B1-WS		B1-WD							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	10	10	ND	10	ND	10	ND						
2,4-Dinitrophenol	20	20	ND	20	ND	20	ND						
Dibenzofuran	10	10	ND	10	ND	10	ND						
4-Nitrophenol	20	20	ND	20	ND	20	ND						
2,4-Dinitrotoluene	10	10	ND	10	ND	10	ND						
Fluorene	10	10	ND	10	ND	10	ND						
Diethylphthalate	10	10	ND	10	ND	10	ND						
4-Chlorophenyl-phenyl ether	10	10	ND	10	ND	10	ND						
4-Nitroaniline	10	10	ND	10	ND	10	ND						
4,6-Dinitro-2-methylphenol	20	20	ND	20	ND	20	ND						
n-Nitrosodiphenylamine	10	10	ND	10	ND	10	ND						
4-Bromophenyl-phenyl ether	10	10	ND	10	ND	10	ND						
Hexachlorobenzene	10	10	ND	10	ND	10	ND						
Pentachlorophenol	20	20	ND	20	ND	20	ND						
Phenanthrene	10	10	ND	10	ND	10	ND						
Anthracene	10	10	ND	10	ND	10	ND						
Di-n-butylphthalate	10	10	ND	10	ND	10	ND						
Fluoranthene	10	10	ND	10	ND	10	ND						
Pyrene	10	10	ND	10	ND	10	ND						
Butylbenzylphthalate	10	10	ND	10	ND	10	ND						
Benzo[a]anthracene	10	10	ND	10	ND	10	ND						
3,3'-Dichlorobenzidine	20	20	ND	20	ND	20	ND						
Chrysene	10	10	ND	10	ND	10	ND						
bis(2-Ethylhexyl)phthalate	10	10	ND	10	ND	10	ND						
Di-n-octylphthalate	10	10	ND	10	ND	10	ND						
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[a]pyrene	10	10	ND	10	ND	10	ND						
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND						
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND						
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (UG/L)

Method : D:\HPCHEM\1\METHODS\S000107.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Mon Jan 03 10:13:01 2000
Response via : Initial Calibration

Non-Spiked Sample: S0107009.D

	Spike Sample	Spike Duplicate Sample
File ID :	S0107010.D	S0107011.D
Sample :	M-BLANK,S008270W307,MS	M-BLANK,S008270W307,MSD
Acq Time:	7 Jan 2000 2:05 pm	7 Jan 2000 2:44 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	56	62	28	31	10	21	12- 78
2-Chlorophenol	0.0	200	154	171	77	86	10	24	30- 91
1,4-Dichlorobenzene	0.0	100	64	73	64	72	12	18	36- 87
N-Nitroso-di-n-propy	0.0	100	65	72	65	72	11	21	31-114
1,2,4-Trichlorobenze	0.0	100	75	84	75	84	12	18	38-100
4-Chloro-3-methylphe	0.0	200	148	163	74	82	10	16	35-102
Acenaphthene	0.0	100	81	88	81	88	9	17	46- 94
4-Nitrophenol	0.0	200	88	94	44	47	7	58	10- 91
2,4-Dinitrotoluene	0.0	100	83	91	83	91	9	20	42-115
Pentachlorophenol	0.0	200	195	209	98	105	7	51	8-125
Pyrene	0.0	100	92	98	91	97	6	16	36-114

QCBATCH# S008270W307

Reviewed/Approved By: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER
Units: UG/L

EPA Method 8260B											
Lab No.:		Method Blank		40784-001		40784-001 DUP		40784-002		LCS	
Client Sample I.D.:		--		B1-WS		B1-WS		B1-WD			
Date Sampled:		--		01/05/2000		01/05/2000		01/05/2000			
QC Batch #:		P00VOCW008		P00VOCW008		P00VOCW008		P00VOCW008		P00VOCW008	
Date Analyzed:		01/09/00		01/09/00		01/09/00		01/09/00		01/09/00	
Analyst Initials:		JPC		JPC		JPC		JPC		JPC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	Results
benzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromodichloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	104
bromoform	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromomethane	5	5	ND	5	ND	5	ND	5	ND	21-175	91
n-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
sec-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	112
tert-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	115
carbon tetrachloride	5	5	ND	5	ND	5	ND	5	ND	21-175	106
chlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
chloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	92
chloroform	5	5	ND	5	ND	5	ND	5	ND	21-175	99
chloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	84
2-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
4-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
dibromochloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,2-dibromo-3-chloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	112
1,2-dibromoethane	5	5	ND	5	ND	5	ND	5	ND	21-175	105
dibromomethane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
1,2-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,3-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,4-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
dichlorodifluoromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	85
1,1-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,2-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,1-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
cis-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	101
trans-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,3-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
2,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	111
1,1-dichloropropene	5	5	ND	5	ND	5	ND	5	ND	21-175	113
ethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	112
hexachlorobutadiene	5	5	ND	5	ND	5	ND	5	ND	21-175	107

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		Method Blank		40784-001		40784-001 DUP		40784-002		LCS	
Client Sample I.D.:		--		B1-WS		B1-WS		B1-WD			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
isopropylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
4-isopropyltoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
methylene chloride	5	5	ND	5	ND	5	ND	5	ND	21-175	88
naphthalene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
n-propylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
styrene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,1,1,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,1,2,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
tetrachloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
toluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
1,2,3-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
1,2,4-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
1,1,1-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	100
1,1,2-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	105
trichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
trichlorofluoromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	91
1,2,3-trichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,2,4-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,3,5-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
vinyl chloride	5	5	ND	5	ND	5	ND	5	ND	21-175	86
o-xylene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
m/p-xylene	5	5	ND	5	ND	5	ND	5	ND	42-350	216

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	Method Blank		BLANK MS		BLANK MSD					
QC Batch Number:	P00VOCW008		P00VOCW008		P00VOCW008					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
1,1-dichloroethene	5	ND	101	101	111	111	9	61-151	21	100
benzene	5	ND	107	107	114	114	6	73-131	15	100
trichloroethene	5	ND	108	108	117	117	8	72-128	15	100
toluene	5	ND	108	108	118	118	9	63-140	14	100
chlorobenzene	5	ND	107	107	114	114	6	81-115	11	100

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 02/29/00

Original ample result may be below detection limit. The result was used for % Recovery calculation purposes only.

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER

EPA Method 8015B (Gasoline)

Lab No.:			METHOD BLANK		40784-001		40784-002		40784-002 DUP		LCS	
Client Sample I.D.:			--		B1-WS		B1-WD		B1-WD		---	
Date Sampled:			--		01/05/2000		01/05/2000		01/05/2000		---	
QC Batch #:			E008G20W006		E008G20W006		E008G20W006		E008G20W006		E008G20W006	
Date Analyzed:			01/10/2000		01/10/2000		01/10/2000		01/10/2000		01/10/2000	
Analyst Initials:			EK		EK		EK		EK		EK	
Dilution Factor:			1		1		1		1		1	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	LIMITS	%REC
Gasoline	0.05	mg/L	0.05	ND	0.05	ND	0.05	ND	0.05	ND	57-129	92

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	MEHTOD BLANK		BLANK MS		BLANK MSD					
QC Batch Number:	E008G20W006		E008G20W006		E008G20W006					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	0.05	ND	1.0	96	0.9	90	6	54-135	18	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 02/29/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 01/06/00
Matrix: SOIL

EPA Method 8015B (Gasoline)

Lab No.:			Method Blank		40784-003		40784-004		40784-005		40784-006	
Client Sample I.D.:			--		B1-0		B1-3.5		B1-7.5		B1-11.5	
Date Sampled:			--		01/05/00		01/05/00		01/05/00		01/05/00	
QC Batch #:			D008G20S006		D008G20S005		D008G20S005		D008G20S005		D008G20S005	
Date Analyzed:			01/11/2000		01/11/2000		01/11/2000		01/11/2000		01/11/2000	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.00		1.00		1.00		1.00		1.00	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	40784-004		40784-004 MS		40784-004 MSD					
QC Batch Number:	D008G20S005		D008G20S005		D008G20S005					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	1.12	22	1.23	25	9	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 01/06/00
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40784-004 Dup.									
Client Sample I.D.:			B1-3.5									
Date Sampled:			01/05/00									
QC Batch #:			D008G20S005									
Date Analyzed:			01/11/2000									
Analyst Initials:			MO									
Dilution Factor:			1.00									
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND								

Matrix Spike and Matrix Spike Duplicate Report #											
Lab No.:		40784-004		40784-004 MS		40784-004 MSD					
QC Batch Number:		D008G20S005		D008G20S005		D008G20S005					
ANALYTE		DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline		1	ND	1.12	22	1.23	25	9	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DW006**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/07/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3510C**
Matrix:	**Water**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
40784-001	B1-WS	0.5	0.05	1.0
40784-002	B1-WD	0.07	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/17/00

Compton Persaud
Department Supervisor

e cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER (mg/L)

Method : C:\HPCHEM\1\METHODS\FG000110.M (Chemstation Integrator)
Title : Alchols
Last Update : Mon Jan 10 18:19:23 2000
Response via : Initial Calibration

Non-Spiked Sample: L0107012.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0107019.D	L0107020.D
Sample :	MS DSL,L008015DW006	MSD DSL,L008015DW006
Acq Time:	7 Jan 2000 8:07 pm	7 Jan 2000 8:32 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	0.0	1000	699	815	69	82	17	23	42-142

QCBATCH#L008015DW006

Reviewed/Approved by: C. Persaud
Compton Persaud
Department Supervisor

Date: ~~01/10~~ 01/17/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DW006**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/07/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3510C**
Matrix:	**Water**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
40784-001	B1-WS	0.5	0.05	1.0
40784-002	B1-WD	0.05	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/17/00

Compton Persaud
Department Supervisor

e cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Wed Jan 12 15:34:34 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112059.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112061.D	L0112062.D
Sample :	40784-005,L008015DS007MS MO	40784-005,L008015DS007MSD
Acq Time:	13 Jan 2000 12:38 pm	13 Jan 2000 1:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL calibrate	940.3	1000	697	768	36*	40*	97*	37	40-140

QCBATCH#L008015DS007

*MS/MSD recoveries are below QC requirements due to matrix interference. Howe
LCS is within control limits.

Reviewed/Approved by: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DS007**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/12/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1	1.0
40784-003	B1-0	334	20	20
40784-004	B1-3.5	910*	40	40
40784-005	B1-7.5	1450*	60	60
40784-006	B1-11.5	127*	10	10
40784-003Dup	B1-0	115	20	20

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Sample contains hydrocarbons that are heavier than diesel . However, quantitation is based on diesel standard.

Reviewed/Approved By: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Wed Jan 12 15:34:34 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112020.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112026.D	L0112027.D
Sample :	40784-006,L008015DS007MS DSL	40784-006,L008015DS007MSD DSL
Acq Time:	12 Jan 2000 9:47 pm	12 Jan 2000 10:12 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	3858	1000	1023*	4070*	21	83	1.020	37	40-140

QCBATCH#L008015DS007

*MS/MSD recoveries are below QC requirements due to matrix interference. However, LCS is within control limits.

Reviewed/Approved by: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DS007**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/12/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1	1.0
40784-003	B1-0	461	20	20
40784-004	B1-3.5	1310	40	40
40784-005	B1-7.5	1860	60	60
40784-006	B1-11.5	132	10	10
40784-003Dup	B1-0	131	20	20

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/17/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil
Last Update : Wed Jan 19 12:16:36 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112061.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112061.D	L0112062.D
Sample :	40784-005,L008015DS007MS MO	40784-005,L008015DS007MSD MO
Acq Time:	13 Jan 2000 12:38 pm	13 Jan 2000 1:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	56400	1000	41800	46100	0#	0#	0	23	42-142

- MS/MSD recoveries are below QC requirements due to matrix interference. However, LCS is within QC limits.

QCBATCH#L008015DS007

Reviewed/Approved by: C. Persaud Date: 01/21/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticides)

Lab No.:		Method Blank		40784-003		40784-003Dup							
Client Sample I.D.:		--		B1-0		B1-0							
Date Sampled:		--		01/05/00		01/05/00							
QC Batch #:		C008080S015		C008080S015		C008080S015							
Date Extracted:		01/12/00		01/12/00		01/12/00							
Date Analyzed :		01/14/00		01/14/00		01/14/00							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND						
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND						
Beta-BHC	2	2	ND	2	ND	2	ND						
Heptachlor	2	2	ND	2	ND	2	ND						
Delta-BHC	2	2	ND	2	ND	2	ND						
Aldrin	2	2	ND	2	ND	2	ND						
Heptachlor Epoxide	2	2	ND	2	ND	2	ND						
Endosulfan I	2	2	ND	2	ND	2	ND						
4,4'-DDE	4	4	ND	4	ND	4	ND						
Dieldrin	4	4	ND	4	ND	4	ND						
Endrin	4	4	ND	4	ND	4	ND						
4,4'-DDD	4	4	ND	4	ND	4	ND						
Endosulfan II	4	4	ND	4	7.1	4	ND						
4,4'-DDT	4	4	ND	4	ND	4	ND						
Endrin Aldehyde	4	4	ND	4	ND	4	ND						
Endosulfan Sulfate	4	4	ND	4	ND	4	ND						
Methoxychlor	17	17	ND	17	ND	17	ND						
Chlordane	17	17	ND	17	ND	17	ND						
Toxaphene	170	170	ND	170	ND	170	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticides)

Lab No.:		Method Blank		40784-004									
Client Sample I.D.:		--		B1-3.5									
Date Sampled:		--		01/05/00									
QC Batch #:		C008080S011		C008080S011									
Date Extracted:		01/07/00		01/07/00									
Date Analyzed :		01/14/00		01/14/00									
Analyst Initials:		NN		NN									
Dilution Factor:		1		1									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND								
Gamma-BHC (Lindane)	2	2	ND	2	ND								
Beta-BHC	2	2	ND	2	ND								
Heptachlor	2	2	ND	2	ND								
Delta-BHC	2	2	ND	2	ND								
Aldrin	2	2	ND	2	ND								
Heptachlor Epoxide	2	2	ND	2	ND								
Endosulfan I	2	2	ND	2	ND								
4,4'-DDE	4	4	ND	4	ND								
Dieldrin	4	4	ND	4	ND								
Endrin	4	4	ND	4	ND								
4,4'-DDD	4	4	ND	4	ND								
Endosulfan II	4	4	ND	4	ND								
4,4'-DDT	4	4	ND	4	ND								
Endrin Aldehyde	4	4	ND	4	ND								
Endosulfan Sulfate	4	4	ND	4	ND								
Methoxychlor	17	17	ND	17	ND								
Chlordane	17	17	ND	17	ND								
Toxaphene	170	170	ND	170	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud **Date:** 03/06/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40784-003		40784-003Dup							
Client Sample I.D.:		--		B1-0		B1-0							
Date Sampled:		--		01/05/00		01/05/00							
QC Batch #:		H008080S015		H008080S015		H008080S015							
Date Extracted:		01/12/00		01/12/00		01/12/00							
Date Analyzed :		01/14/00		01/14/00		01/14/00							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND						
Aroclor-1221	67	67	ND	67	ND	67	ND						
Aroclor-1232	33	33	ND	33	ND	33	ND						
Aroclor-1242	33	33	ND	33	ND	33	ND						
Aroclor-1248	33	33	ND	33	ND	33	ND						
Aroclor-1254	33	33	ND	33	ND	33	ND						
Aroclor-1260	33	33	ND	33	36	33	ND						
Aroclor-1262	33	33	ND	33	ND	33	ND						
Aroclor-1268	33	33	ND	33	ND	33	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud **Date:** 03/06/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40784-004									
Client Sample I.D.:		--		B1-3.5									
Date Sampled:		--		01/05/00									
QC Batch #:		H008080S011		H008080S011									
Date Extracted:		01/07/00		01/07/00									
Date Analyzed :		01/11/00		01/11/00									
Analyst Initials:		NN		NN									
Dilution Factor:		1		1									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND								
Aroclor-1221	67	67	ND	67	ND								
Aroclor-1232	33	33	ND	33	ND								
Aroclor-1242	33	33	ND	33	ND								
Aroclor-1248	33	33	ND	33	ND								
Aroclor-1254	33	33	ND	33	ND								
Aroclor-1260	33	33	ND	33	ND								
Aroclor-1262	33	33	ND	33	ND								
Aroclor-1268	33	33	ND	33	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud **Date:** 01/17/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticides)

Lab No.:		LCS											
Client Sample I.D.:		--											
Date Sampled:		--											
QC Batch #:		C008080S015											
Date Extracted:		01/12/00											
Date Analyzed :		01/14/00											
Analyst Initials:		NN											
Dilution Factor:		1											
ANALYTE	**MDL**	**%Rec**	**Limits**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**
Alpha-BHC	2	115	26-143										
Gamma-BHC (Lindane)	2	112	26-143										
Beta-BHC	2	114	26-143										
Heptachlor	2	113	26-143										
Delta-BHC	2	119	26-143										
Aldrin	2	119	26-143										
Heptachlor Epoxide	2	118	26-143										
Endosulfan I	2	11	26-143										
4,4'-DDE	4	114	26-143										
Dieldrin	4	113	26-143										
Endrin	4	106	26-143										
4,4'-DDD	4	109	26-143										
Endosulfan II	4	120	26-143										
4,4'-DDT	4	118	26-143										
Endrin Aldehyde	4	121	26-143										
Endosulfan Sulfate	4	116	26-143										
Methoxychlor	17	116	26-143										
Chlordane	17	NS	NS										
Toxaphene	170	NS	NS										

NS = Not Spiked

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 03/06/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\8080116.M (Chemstation Integrator)
Title :
Last Update : Mon Jan 17 14:26:49 2000
Response via : Initial Calibration

n-Spiked Sample: C0116017.D

	Spike Sample	Spike Duplicate Sample
File ID :	C0116024.D	C0116025.D
Sample :	40905-008,C008080S015,MS	40905-008,C008080S015,MSD
Acq Time:	16 Jan 2000 9:45 pm	16 Jan 2000 10:15 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
gamma-BHC	0.0	40	20	20	51#	49#	3	9	50-127
Heptachlor	0.0	40	36	35	90	89	2	12	35-136
Aldrin	0.0	40	41	41	104	103	1	15	47-143
Dieldrin	0.0	80	13	9	16#	11#	41#	8	54-134
Endrin	0.0	80	13	8	16#	10#	46#	16	61-138
4,4' -DDT	0.0	80	66	63	82	79	5	22	15-155

- Fails Limit Check. LCS passed.

QC BATCH:C008080S015

REVIEWED/APPROVED BY: C. Persaud DATE: 03/06/00
Compton Persaud
Department Supervisor

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticides)

Lab No.:		LCS											
Client Sample I.D.:		--											
Date Sampled:		--											
QC Batch #:		C008080S011											
Date Extracted:		01/07/00											
Date Analyzed :		01/14/00											
Analyst Initials:		NN											
Dilution Factor:		1											
ANALYTE	**MDL**	**%Rec**	**Limits**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**	**DLR**	**Results**
Alpha-BHC	2	79	26-143										
Gamma-BHC (Lindane)	2	78	26-143										
Beta-BHC	2	76	26-143										
Heptachlor	2	79	26-143										
Delta-BHC	2	81	26-143										
Aldrin	2	78	26-143										
Heptachlor Epoxide	2	76	26-143										
Endosulfan I	2	76	26-143										
4,4'-DDE	4	76	26-143										
Dieldrin	4	78	26-143										
Endrin	4	73	26-143										
4,4'-DDD	4	78	26-143										
Endosulfan II	4	82	26-143										
4,4'-DDT	4	81	26-143										
Endrin Aldehyde	4	87	26-143										
Endosulfan Sulfate	4	87	26-143										
Methoxychlor	17	69	26-143										
Chlordane	17	NS	NS										
Toxaphene	170	NS	NS										

NS = Not Spiked

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____ **Date:** 03/06/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\8080113.M (Chemstation Integrator)
Title :
Last Update : Thu Jan 13 17:12:28 2000
Response via : Initial Calibration

1-Spiked Sample: C0114011.D

	Spike Sample	Spike Duplicate Sample
File ID :	C0114013.D	C0114014.D
Sample :	40784-004,C008080S011,MS RR	40784-004,C008080S011,MSD RR
Acq Time:	14 Jan 2000 5:18 pm	14 Jan 2000 5:49 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
gamma-BHC	0.0	40	8	15	20#	38#	60#	9	50-127
Heptachlor	0.0	40	17	22	43	55	24#	12	35-136
Aldrin	0.0	40	18	23	46#	57	21#	15	47-143
Dieldrin	0.0	80	7	25	9#	31#	112#	8	54-134
Endrin	0.0	80	7	27	9#	34#	115#	16	61-138
4,4' -DDT	0.0	80	26	42	32#	53	49#	22	15-155

- Fails Limit Check.LCS passed.

QC BATCH:C008080S011

REVIEWED/APPROVED BY: C. Persaud DATE: 03/06/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		LCS											
Client Sample I.D.:		--											
Date Sampled:		--											
QC Batch #:		H008080S011											
Date Extracted:		01/07/00											
Date Analyzed :		01/11/00											
Analyst Initials:		NN											
Dilution Factor:		1											
ANALYTE	MDL	%Rec	Limits	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	NS	NS										
Aroclor-1221	67	NS	NS										
Aroclor-1232	33	NS	NS										
Aroclor-1242	33	NS	NS										
Aroclor-1248	33	NS	NS										
Aroclor-1254	33	87	25-175										
Aroclor-1260	33	NS	NS										
Aroclor-1262	33	NS	NS										
Aroclor-1268	33	NS	NS										

NS = Not Spiked

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud **Date:** 03/06/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**01/06/00**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:	LCS												
Client Sample I.D.:	--												
Date Sampled:	--												
QC Batch #:	H008080S015												
Date Extracted:	01/12/00												
Date Analyzed :	01/14/00												
Analyst Initials:	NN												
Dilution Factor:	1												
ANALYTE	MDL	%Rec	Limits	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	NS	NS										
Aroclor-1221	67	NS	NS										
Aroclor-1232	33	NS	NS										
Aroclor-1242	33	NS	NS										
Aroclor-1248	33	NS	NS										
Aroclor-1254	33	100	25-175										
Aroclor-1260	33	NS	NS										
Aroclor-1262	33	NS	NS										
Aroclor-1268	33	NS	NS										

NS = Not Spiked

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 03/06/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\12540110.M (RTE Integrator)
Title : 8080/608 PCB 1254
Last Update : Mon Jan 17 09:49:42 2000
Response via : Initial Calibration

Non-Spiked Sample: H0114005.D

	Spike Sample	Spike Duplicate Sample
File ID :	H0114008.D	H0114009.D
Sample :	40784-003,H008080S015,MS RE	40784-003,H008080S015,MSD RE
Acq Time:	14 Jan 2000 2:35 pm	14 Jan 2000 3:05 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
AROCLOR 1254-1	131.7	1000	1340	1640	121	151	22#	16	55-149
AROCLOR 1254-2	70.9	1000	1270	1510	120	144	18#	16	55-149
AROCLOR 1254-3	55.7	1000	1460	1790	140	173#	21#	16	55-149
AROCLOR 1254-4	118.5	1000	1480	1890	136	177#	26#	16	55-149
AROCLOR 1254-5	221.7	1000	1520	2180	130	196#	40#	16	55-149

- Fails Limit Check.LCS passed.

QC BATCH:H008080S015

REVIEWED/APPROVED BY: C. Persaud DATE: 03/06/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\12540110.M (RTE Integrator)
Title : 8080/608 PCB 1254
Last Update : Mon Nov 01 09:04:20 1999
Response via : Initial Calibration

Non-Spiked Sample: H0110068.D

	Spike Sample	Spike Duplicate Sample
File ID :	H0110044.D	H0110045.D
Sample :	40784-003-,H008080S011,MS	40784-003-,H008080S011,MSD
Acq Time:	11 Jan 2000 7:58 am	11 Jan 2000 8:29 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
AROCLOR 1254-1	116	1000	2130	1480	201#	3#	194#	16	55-149
AROCLOR 1254-2	63	1000	1620	1200	156#	6#	185#	16	55-149
AROCLOR 1254-3	51	1000	1790	1350	174#	130	29#	16	55-149
AROCLOR 1254-4	104	1000	2330	1650	223#	155#	36#	16	55-149
AROCLOR 1254-5	184	1000	3780	2350	360#	217#	50#	16	55-149

- Fails Limit Check due to matrix interference.LCS passed.

QC BATCH:H008080S011

REVIEWED/APPROVED BY: Ca. Persaud DATE: 03/06/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 01/06/00
Date Sampled: 01/05/00

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40784-001	B1-WS	EPA 150.1 (pH)	01/06/00	9.12	Water, pH units	---	---	DG
40784-001Dup	B1-WS	EPA 150.1 (pH)	01/06/00	9.14	Water, pH units	---	---	DG
40784-002	B1-WD	EPA 150.1 (pH)	01/06/00	7.00	Water, pH units	---	---	DG
40784-001	B1-WS	EPA 335.2 (Total Cyanide)	01/11/00	ND	Water, mg/L	0.05	0.05	NS
40784-002	B1-WD	EPA 335.2 (Total Cyanide)	01/11/00	ND	Water, mg/L	0.05	0.05	NS

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

Spike Recovery and RPD Summary Report

Method: EPA 335.2/SM 4500-CN B,C
Analyst: NS
Data File: 0011-1W

Date: 01/11/00
Sample ID: 40786-001
Matrix: WATER
QC Batch: CN000111W-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RSLT	MSD RSLT	%MS REC	%MSD REC	REC Lmt	RPD	RPD Lmt	MDL
CYANIDE	mg/L	0.40	0.40	100	ND	ND	0.40	0.39	0.39	98	98	80-120	0	20	0.05

Approved by: _____

Cheryl De Los Reyes
Technical Operations Manager

Date: 1/19/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Number of Pages: 5
Date Received : 01/07/00
Date Reported : 01/19/00

Attn : Compton Persaud
Phone: 562/989-4045

AETL Job Number: 14139
Project Number : PO#21011

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Joe Sewean

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud **Phone:** 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68510	
Sample No:	40784-003	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	
Date Analyzed:	01/10/00	
		Detection Limit
Benzo(a)anthracene	**0.226**	0.020
Benzo(a)pyrene	**0.163**	0.020
Benzo(b)fluoranthene	**0.202**	0.020
Benzo(k)fluoranthene	**0.085**	0.020
Chrysene	**0.230**	0.020
Dibenzo(a,h)anthracene	**0.083**	0.020
Indeno(1,2,3-cd)pyrene	**0.097**	0.020
Acenaphthene	**0.426**	0.020
Acenaphthylene	ND	0.020
Anthracene	**0.178**	0.020
Benzo(ghi)perylene	**0.083**	0.020
Fluoranthene	**1.04**	0.10
Fluorene	**0.298**	0.020
Naphthalene	**0.346**	0.020
Phenanthrene	**1.86**	0.10
Pyrene	**0.704**	0.10

QUALITY CONTROL SUMMARY

Lab ID: AE68510

Surrogate Percent Recovery

P- Terphenyl-d14	78

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud **Phone:** 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68511	
Sample No:	40784-004	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	**Detection Limit**
Date Analyzed:	01/10/00	
Benzo(a)anthracene	ND	0.040
Benzo(a)pyrene	ND	0.040
Benzo(b)fluoranthene	ND	0.040
Benzo(k)fluoranthene	ND	0.040
Chrysene	ND	0.040
Dibenzo(a,h)anthracene	**0.049**	0.040
Indeno(1,2,3-cd)pyrene	ND	0.040
Acenaphthene	ND	0.040
Acenaphthylene	ND	0.040
Anthracene	ND	0.040
Benzo(ghi)perylene	ND	0.040
Fluoranthene	ND	0.040
Fluorene	ND	0.040
Naphthalene	ND	0.040
Phenanthrene	ND	0.040
Pyrene	ND	0.040

QUALITY CONTROL SUMMARY

Lab ID: AE68511

Surrogate Percent Recovery
P- Terphenyl-d14 26

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

Comment to Sample(s)
AE68511: Low surrogate recovery due to matrix interference.

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud **Phone:** 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68512	AE68513	AE68514	
Sample No:	40784-005	40784-006	METHOD BLANK	
Date Sampled:	01/05/00	01/05/00	01/05/00	
Date Extracted:	01/10/00	01/10/00	01/10/00	**Detection**
Date Analyzed:	01/10/00	01/10/00	01/10/00	**Limit**
Benzo(a)anthracene	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	**0.021**	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	0.020
Chrysene	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	0.020
Fluorene	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	0.020
Pyrene	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68512	AE68513	AE68514
Surrogate Percent Recovery			
P- Terphenyl-d14	122	86	79

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14139

PROJECT: PO#21011
SITE: ----------
DATE SAMPLED: 01-05-00
DATE SUBMITTED: 01-07-00
DATE ANALYSIS COMPLETED: 01-10-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	469	94
Acenaphthylene	1,000	938	94
Anthracene	50	49	98
Benzo(a)anthracene	50	45.6	91
Benzo(a)pyrene	50	42.3	85
Benzo(b)fluoranthene	100	93.1	93
Benzo(g,h,i)perylene	100	97	97
Benzo (k) fluoranthene	50	43.5	87
Chrysene	50	43.2	86
Dibenzo (a, h) anthracene	100	102	102
Fluoranthene	100	92	92
Fluorene	100	90	90
Indeno (1,2,3-cd) pyrene	50	46.6	93
Naphthalene	500	460	92
Phenanthrene	50	47.7	95
Pyrene	50	43.8	88

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Mr. Compton Persaud

Date of Report:	**1/20/00**
Sampling Date:	**1/5/00**
Date Sample Received:	**1/6/00**
Date Extracted:	**1/14/00**
Date Analyzed:	**January 14, 2000**
Analyzed By:	**EA**
Sample Type:	**Water**
Log Number:	**00-0081 and 00-0082**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Mr. Compton Persaud

Date of Report:	**1/20/00**
Sampling Date:	**1/5/00**
Date Sample Received:	**1/6/00**
Date Extracted:	**1/14/00**
Date Analyzed:	**January 14, 2000**
Analyzed By:	**EA**
Sample Type:	**Water**
Log Number:	**00-0081 and 00-0082**

ANALYSES RESULTS

		Analysis:	**EDB**
		Prep/Analysis Method:	**EPA 8011**
		Units:	**ug/l**
Log #:	**Sample ID:**		
00-0081	**40784-001/B1-WS**		**<0.02**
00-0082	**40784-002/B1-WD**		**<0.02**

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date: 1/20/00

Attn: Mr. Compton Persaud

Log #: 00-0081 and 00-0082

Date Extracted: 1/14/00

Date Analyzed: January 14, 2000

Analysis	Prep/Analysis Method	LCS % Recovery
EDB	EPA 8011	87

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS** - Laboratory Control Sample. Reported as % Recovery of an Independent Standard carried through all sample preparation procedures to verify method performance. Acceptable range Is 80 % -120 % recovery.
- **Spike**- Environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as
- **% Recovery**. Acceptable range for "Normal Matrix Sample" is 75 % - 125% recovery.
- **% Recovery** = (Spike Sample Result - Sample Result) *100/Spike Concentration.
- **RPD (Relative % Difference)** = (Spiked Sample - Spike Duplicate) * 100 / Average Result.

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: ATL
Attn: Compton Persaud
Address: Same as above
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Diane Galvan
Project #: PO#: 21010
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 1-6-00 Time: 11:00
Received by: (Signature and Printed Name) JB [signature] Date: 1/6/00 Time: 16:55
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:
PO#: 21010
Please fax results!

Unless otherwise requested, all samples will be disposed 45 days after receipt.
D-TEK

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	SOIL EDB	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER	REMARKS
	00-0081	40784-001 / B1-WS	1/5								X			X						1	V G			
	00-0082	↓ 002 / B1-WD	↓								↓			↓						↓	↓ ↓			

• TAT starts 8 a.m. following day if samples rec[illegible]fter 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 [illegible]=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [signature] Date: 1-6 Time: 0920

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole Project #: E0000-06-13 Sampler: (Printed Name) Ross Whit (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Ross Whit [signature]	1/5	500	Golden State Overnight	1/5	500
Golden State Overnight	1/6		Diane Dalwan	1-6-00	0900

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross Whit Date: 1,5 00
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: filter for dissolved metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M TPH/G/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC) + Metals	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Metals Dissolved	Soil EDB	Cyanide	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	40784-001	B1-WS	1/5	940										X							X					E	1	J P	N	
		B1-WS		941											X												1	J P	/	
		B1-WS		942					X		X					X											3	V G	H	
		B1-WS		943						X		X															2	L G	/	
		B1-WS		944													X	X									2	J P	0/1	
	002	B1-WD		1115										X													1	J P	N	
		B1-WD		1116											X												1	J P	/	
		B1-WD		1117					X		X					X											3	V G	H	
		B1-WD		1118						X		X															2	L G	/	
		B1-WD		1119													X	X									2	J P	0/1	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [illegible] Date: 1-6 Time: 0920

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: GEOCON - PLEASANTON
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole
Project #: EE000-06-13
Sampler: (Printed Name) Ross White (Signature) [illegible]

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) [illegible] Date: 1-6-00 Time: 0900
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ross White Date: 1/5/00
Print Name
[illegible] Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Report Pesticides + PCBs
Metals 48-HR → EVERYTHING ELSE STD. TAT.

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M (PHG); 8015M TPH/D (Diesel-GC) (COMBINATION); 418.1 (TPH-IR); Metals-Total (CAM 6010/7000); Motor Oil; Title 22; 8021 VOCs; 8310 PAHs

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL); SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	608/8080	624/8240	8260	625/8270	8015M (PHG)	8015M TPH/D	418.1	Metals-Total	8021 VOCs	8310 PAHs	SOLID (SOIL)	SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40784-003	B1-0	1/5	909			X				X	X		X	X	X		X								48/E	1	TM	C	
	004	B1-3.5	↓	912			X				X	X		X	X	X		↓								↓	↓	↓		
	005	B1-7.5		930							X	X		X	X	X														
	006	B1-11.5		955							X	X		X	X	X														

• TAT starts 8 [illegible] following day if samples rec[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible] workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO[illegible] =H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]H T=$Na_2S_2O_3$

Q A / Q C: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

DISTRIBUTION: White with report Yellow to folder Pink to submitter

January 28, 2000 ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Lab No.: 40684-001/013

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Samples for EPA 8011 and 8310 were subcontracted to D-Tek and AETL Labs.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER
Units: UG/L

EPA Method 8260B											
Lab No.:		METHOD BLANK		40684-009		40684-009 Dup		40684-010		40684-011	
Client Sample I.D.:		--		B8-WS		B8-WS		B8-WD		B5-WS	
Date Sampled:		--		12/29/1999		12/29/1999		12/29/1999		12/29/1999	
QC Batch #:		Q00VOCW004		Q00VOCW004		Q00VOCW004		Q00VOCW004		Q00VOCW004	
Date Analyzed:		01/07/2000		01/07/2000		01/07/2000		01/07/2000		01/07/2000	
Analyst Initials:		DJK		DJK		DJK		DJK		DJK	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
benzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
bromobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
bromodichloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
bromoform	5	5	ND	5	ND	5	ND	5	ND	5	ND
bromomethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
n-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
sec-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
tert-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
carbon tetrachloride	5	5	ND	5	ND	5	ND	5	ND	5	ND
chlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
chloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
chloroform	5	5	ND	5	ND	5	ND	5	ND	5	ND
chloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
2-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
4-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
dibromochloromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-dibromo-3-chloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-dibromoethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
dibromomethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,4-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
dichlorodifluoromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
cis-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
trans-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
2,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1-dichloropropene	5	5	ND	5	ND	5	ND	5	ND	5	ND
ethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
hexachlorobutadiene	5	5	ND	5	ND	5	ND	5	ND	5	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		METHOD BLANK		40684-009		40684-009 Dup		40684-010		40684-011	
Client Sample I.D.:				B8-WS		B8-WS		B8-WD		B5-WS	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
isopropylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
4-isopropyltoluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
methylene chloride	5	5	ND	5	ND	5	ND	5	ND	5	ND
naphthalene	5	5	ND	5	ND	5	ND	5	ND	5	21
n-propylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
styrene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,1,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,2,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
tetrachloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
toluene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,3-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,4-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,1-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,1,2-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
trichloroethene	5	5	ND	5	ND	5	ND	5	ND	5	ND
trichlorofluoromethane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,3-trichloropropane	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,2,4-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
1,3,5-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	5	ND
vinyl chloride	5	5	ND	5	ND	5	ND	5	ND	5	ND
o-xylene	5	5	ND	5	ND	5	ND	5	ND	5	ND
m/p-xylene	5	5	ND	5	ND	5	ND	5	ND	5	ND

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	METHOD BLANK		BLANK MS		BLANK MSD					
QC Batch Number:	Q00VOCW004		Q00VOCW004		Q00VOCW004					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
1,1-dichloroethene	5	ND	93	93	86	86	8	61-151	21	100
benzene	5	ND	93	93	94	94	1	73-131	15	100
trichloroethene	5	ND	88	88	89	89	1	72-128	15	100
toluene	5	ND	90	90	92	92	2	63-140	14	100
chlorobenzene	5	ND	90	90	86	86	5	81-115	11	100

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original ample result may be below detection limit. The result was used for % Recovery calculation purposes only.

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		40684-012		LCS							
Client Sample I.D.:		B5-WD		--							
Date Sampled:		12/29/1999		--							
QC Batch #:		Q00VOCW004		Q00VOCW004							
Date Analyzed:		01/07/2000		01/07/2000							
Analyst Initials:		DJK		DJK							
Dilution Factor:		1		1							
ANALYTE	MDL	DLR	Results	Limits	% Rec	DLR	Results	DLR	Results	DLR	Results
benzene	5	5	ND	21-175	91						
bromobenzene	5	5	ND	21-175	85						
bromodichloromethane	5	5	ND	21-175	90						
bromoform	5	5	ND	21-175	85						
bromomethane	5	5	ND	21-175	120						
n-butylbenzene	5	5	ND	21-175	83						
sec-butylbenzene	5	5	ND	21-175	86						
tert-butylbenzene	5	5	ND	21-175	85						
carbon tetrachloride	5	5	ND	21-175	84						
chlorobenzene	5	5	ND	21-175	86						
chloroethane	5	5	ND	21-175	88						
chloroform	5	5	ND	21-175	87						
chloromethane	5	5	ND	21-175	92						
2-chlorotoluene	5	5	ND	21-175	92						
4-chlorotoluene	5	5	ND	21-175	89						
dibromochloromethane	5	5	ND	21-175	86						
1,2-dibromo-3-chloropropane	5	5	ND	21-175	71						
1,2-dibromoethane	5	5	ND	21-175	82						
dibromomethane	5	5	ND	21-175	88						
1,2-dichlorobenzene	5	5	ND	21-175	84						
1,3-dichlorobenzene	5	5	ND	21-175	83						
1,4-dichlorobenzene	5	5	ND	21-175	82						
dichlorodifluoromethane	5	5	ND	21-175	103						
1,1-dichloroethane	5	5	ND	21-175	108						
1,2-dichloroethane	5	5	ND	21-175	80						
1,1-dichloroethene	5	5	ND	21-175	98						
cis-1,2-dichloroethene	5	5	ND	21-175	88						
trans-1,2-dichloroethene	5	5	ND	21-175	91						
1,2-dichloropropane	5	5	ND	21-175	89						
1,3-dichloropropane	5	5	ND	21-175	85						
2,2-dichloropropane	5	5	ND	21-175	88						
1,1-dichloropropene	5	5	ND	21-175	90						
ethylbenzene	5	5	ND	21-175	90						
hexachlorobutadiene	5	5	ND	21-175	66						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		40684-012		LCS							
Client Sample I.D.:		B5-WD		--							
ANALYTE	MDL	DLR	Results	Limits	% Rec	DLR	Results	DLR	Results	DLR	Results
isopropylbenzene	5	5	ND	21-175	86						
4-isopropyltoluene	5	5	ND	21-175	83						
methylene chloride	5	5	ND	21-175	70						
naphthalene	5	5	ND	21-175	57						
n-propylbenzene	5	5	ND	21-175	88						
styrene	5	5	ND	21-175	86						
1,1,1,2-tetrachloroethane	5	5	ND	21-175	85						
1,1,2,2-tetrachloroethane	5	5	ND	21-175	82						
tetrachloroethene	5	5	ND	21-175	83						
toluene	5	5	ND	21-175	91						
1,2,3-trichlorobenzene	5	5	ND	21-175	61						
1,2,4-trichlorobenzene	5	5	ND	21-175	71						
1,1,1-trichloroethane	5	5	ND	21-175	85						
1,1,2-trichloroethane	5	5	ND	21-175	86						
trichloroethene	5	5	ND	21-175	88						
trichlorofluoromethane	5	5	ND	21-175	91						
1,2,3-trichloropropane	5	5	ND	21-175	80						
1,2,4-trimethylbenzene	5	5	ND	21-175	89						
1,3,5-trimethylbenzene	5	5	ND	21-175	87						
vinyl chloride	5	5	ND	21-175	93						
o-xylene	5	5	ND	21-175	88						
m/p-xylene	5	5	ND	21-175	88						

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	METHOD BLANK		BLANK MS		BLANK MSD					
QC Batch Number:	Q00VOCW004		Q00VOCW004		Q00VOCW004					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
1,1-dichloroethene	5	ND	93	93	86	86	8	61-151	21	100
benzene	5	ND	93	93	94	94	1	73-131	15	100
trichloroethene	5	ND	88	88	89	89	1	72-128	15	100
toluene	5	ND	90	90	92	92	2	63-140	14	100
chlorobenzene	5	ND	90	90	86	86	5	81-115	11	100

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original ample result may be below detection limit. The result was used for % Recovery calculation purposes only.

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		40684-009		40684-010		40684-011		40684-012			
Client Sample I.D.:		--		B8-WS		B8-WD		B5-WS		B5-WD			
Date Sampled:		--		12/29/99		12/29/99		12/29/99		12/29/99			
QC Batch #:		R008270W001		R008270W001		R008270W001		R008270W001		R008270W001			
Date Extracted:		01/03/00		01/03/00		01/03/00		01/03/00		01/03/00			
Date Analyzed:		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00			
Analyst Initials:		HL		HL		HL		HL		HL			
Dilution Factor:		1		1		1		1		1			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
bis (2-Chloroethyl)ether	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Chlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
1,3-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
1,4-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzyl Alcohol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
1,2-Dichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
bis(2-chloroisopropyl)ether	10	10	ND	10	ND	10	ND	10	ND	10	ND		
n-Nitroso-di-n-propylamine	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4-Methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Hexachloroethane	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Nitrobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Isophorone	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Nitrophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2,4-Dimethylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
bis(2-Chloroethoxy)methane	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2,4-Dichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzoic Acid	50	50	ND	50	ND	50	ND	50	ND	50	ND		
1,2,4-Trichlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Naphthalene	10	10	ND	10	ND	10	ND	10	61	10	ND		
4-Chloroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Hexachlorobutadiene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4-Chloro-3-methylphenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Methylnaphthalene	10	10	ND	10	ND	10	ND	10	24	10	ND		
Hexachlorocyclopentadiene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2,4,6-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2,4,5-Trichlorophenol	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Chloronaphthalene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Dimethylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Acenaphthylene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
2,6-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
3-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		40684-009		40684-010		40684-011		40684-012			
Client Sample I.D.:		--		B8-WS		B8-WD		B5-WS		B5-WD			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	10	10	ND	10	ND	10	ND	10	21	10	ND		
2,4-Dinitrophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND		
Dibenzofuran	10	10	ND	10	ND	10	ND	10	16	10	ND		
4-Nitrophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND		
2,4-Dinitrotoluene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Fluorene	10	10	ND	10	ND	10	ND	10	20	10	ND		
Diethylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4-Chlorophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4-Nitroaniline	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4,6-Dinitro-2-methylphenol	20	20	ND	20	ND	20	ND	20	ND	20	ND		
n-Nitrosodiphenylamine	10	10	ND	10	ND	10	ND	10	ND	10	ND		
4-Bromophenyl-phenyl ether	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Hexachlorobenzene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Pentachlorophenol	20	20	ND	20	ND	20	ND	20	ND	20	ND		
Phenanthrene	10	10	ND	10	ND	10	ND	10	29	10	ND		
Anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Di-n-butylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Butylbenzylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzo[a]anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
3,3'-Dichlorobenzidine	20	20	ND	20	ND	20	ND	20	ND	20	ND		
Chrysene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
bis(2-Ethylhexyl)phthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Di-n-octylphthalate	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzo[a]pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND	10	ND	10	ND		
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND	10	ND	10	ND		

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER (UG/L)

Method : C:\HPCHEM\1\METHODS\R000103.M (RTE Integrator)
Title : 8270C Advanced Technology Laboratory
Last Update : Mon Jan 03 14:37:55 2000
Response via : Initial Calibration

Non-Spiked Sample: R0103003.D

	Spike Sample	Spike Duplicate Sample
File ID :	R0103005.D	R0103006.D
Sample :	M-BLANK,R008270W001,MS	M-BLANK,R008270W001,MSD
Acq Time:	3 Jan 2000 1:27 pm	3 Jan 2000 2:08 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	68	74	34	37	8	21	12- 78
2-Chlorophenol	0.0	200	153	164	77	82	7	24	30- 91
1,4-Dichlorobenzene	0.0	100	61	65	61	65	7	18	36- 87
N-Nitroso-di-n-propy	0.0	100	71	77	71	77	7	21	31-114
1,2,4-Trichlorobenze	0.0	100	65	70	65	70	7	18	38-100
4-Chloro-3-methylphe	0.0	200	146	154	73	77	6	16	35-102
Acenaphthene	0.0	100	69	73	69	73	5	17	46- 94
4-Nitrophenol	0.0	200	73	80	37	40	8	58	10- 91
2,4-Dinitrotoluene	0.0	100	74	78	74	78	5	20	42-115
Pentachlorophenol	0.0	200	139	147	69	73	6	51	8-125
Pyrene	0.0	100	79	82	79	82	4	16	36-114

QCBATCH# R008270W001

Reviewed/Approved By: C. Persaud Date: 01/11/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 12/30/99
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			Method Blank		40684-001		40684-002		40684-003		40684-004	
Client Sample I.D.:			--		B8-0		B8-3.5		B8-7.5		B8-11.5	
Date Sampled:			--		12/29/99		12/29/99		12/29/99		12/29/99	
QC Batch #:			D008G20S003		D008G20S003		D008G20S003		D008G20S003		D008G20S003	
Date Analyzed:			01/05/00		01/05/00		01/05/00		01/05/00		01/05/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #											
Lab No.:	40684-013		40684-013 MS		40684-013 MSD						
QC Batch Number:	D008G20S003		D008G20S003		D008G20S003						
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount	
Gasoline	1	ND	3.2	63	3.3	67	6	41-151	21	5	

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 12/30/99
Matrix: SOIL

EPA Method 8015B (Gasoline)												
Lab No.:			40684-005		40684-006		40684-007		40684-013		40684-013 Dup.	
Client Sample I.D.:			B5-0		B5-3.5		B5-7.5		B5-11.5		B5-11.5	
Date Sampled:			12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
QC Batch #:			D008G20S003		D008G20S003		D008G20S003		D008G20S003		D008G20S003	
Date Analyzed:			01/05/00		01/05/00		01/05/00		01/05/00		01/05/00	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:		40684-013		40684-013 MS		40684-013 MSD				
QC Batch Number:		D008G20S003		D008G20S003		D008G20S003				
ANALYTE		DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline		1	ND	3.2	63	3.3	67	6	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon-Pleasanton
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER

EPA Method 8015B (Gasoline)												
Lab No.:			Method blank		40684-009		40684-010		40684-011		40684-012	
Client Sample I.D.:			--		B8-WS		B8-WD		B5-WS		B5-WD	
Date Sampled:			--		12/29/1999		12/29/1999		12/29/1999		12/29/1999	
QC Batch #:			EW008G20W002		EW008G20W002		EW008G20W002		EW008G20W002		EW008G20W002	
Date Analyzed:			01/04/00		01/04/00		01/04/00		01/04/00		01/04/00	
Analyst Initials:			EK		EK		EK		EK		EK	
Dilution Factor:			1		1		1		1		1	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	0.05	mg/L	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	Method blank		BLANK MS		BLANK MSD					
QC Batch Number:	EW008G20W002		EW008G20W002		EW008G20W002					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	0.05	ND	0.9	89	0.9	89	0	54-135	18	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon-Pleasanton
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER

EPA Method 8015B (Gasoline)												
Lab No.:			LCS									
Client Sample I.D.:			---									
Date Sampled:			---									
QC Batch #:			EW008G20W002									
Date Analyzed:			01/04/00									
Analyst Initials:			EK									
Dilution Factor:			1									
ANALYTE	MDL	Units	Limits	%Rec.	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	0.05	mg/L	57-129	90								

Lab No.:	Method blank		BLANK MS		BLANK MSD					
QC Batch Number:	EW008G20W002		EW008G20W002		EW008G20W002					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	0.05	ND	0.9	89	0.9	89	0	54-135	18	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental
Attn:	Ross White
Client's Project:	Oakland Mole, #E8000-06-13
Date Received:	12/30/99
Matrix:	SOIL

EPA Method 8015B (Gasoline)

Lab No.:			LCS								
Client Sample I.D.:			--								
Date Sampled:			--								
QC Batch #:			D008G20S003								
Date Analyzed:			01/05/00								
Analyst Initials:			MO								
Dilution Factor:			1.0								
ANALYTE	MDL	Units	Limits	% Rec.							
Gasoline	1	mg/Kg	38-146	92							

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:		40684-013	40684-013 MS		40684-013 MSD					
QC Batch Number:		D008G20S003	D008G20S003		D008G20S003					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	3.2	63	3.3	67	6	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon-Pleasanton
Attn: Ross White

Client's Project: Oakland Mole - E8000-06-13

Date Received: 12/30/1999
Matrix: WATER

EPA Method 8015B (Gasoline)												
Lab No.:			METHOD BLANK		40684-011Dup		LCS					
Client Sample I.D.:			---		B5-WS		---					
Date Sampled:			---		12/29/1999		---					
QC Batch #:			E008G20W003		E008G20W003		E008G20W003					
Date Analyzed:			01/05/00		01/05/00		01/05/00					
Analyst Initials:			EK		EK		EK					
Dilution Factor:			1		1		1					
ANALYTE	MDL	Units	DLR	Results	DLR	Results	Limits	%Rec.	DLR	Results	DLR	Results
Gasoline	0.05	mg/L	0.05	ND	0.05	ND	57-129	98				

Matrix Spike and Matrix Spike Duplicate Report #										
Lab No.:	METHOD BLANK		BLANK MS		BLANK MSD					
QC Batch Number:	EW008G20W003		E008G20W003		E008G20W003					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	0.05	ND	0.9	93	1.0	99	6	54-135	18	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (Pesticides)

Lab No.:		Method Blank		40684-001		40684-002		40684-005		40684-006		40684-002Dup	
Client Sample I.D.:		--		B8-0		B8-3.5		B5-0		B5-3.5		B8-3.5	
Date Sampled:		--		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
QC Batch #:		C008080S003		C008080S003		C008080S003		C008080S003		C008080S003		C008080S003	
Date Extracted:		01/03/00		01/03/00		01/03/00		01/03/00		01/03/00		01/03/00	
Date Analyzed :		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00		01/04/00	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		5 *		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Beta-BHC	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Heptachlor	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Delta-BHC	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Aldrin	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Heptachlor Epoxide	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
Endosulfan I	2	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND
4,4'-DDE	4	4	ND	4	6.4	4	ND	20	ND	4	ND	4	ND
Dieldrin	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
Endrin	4	4	ND	4	71	4	ND	20	ND	4	ND	4	ND
4,4'-DDD	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
Endosulfan II	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
4,4'-DDT	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
Endrin Aldehyde	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
Endosulfan Sulfate	4	4	ND	4	ND	4	ND	20	ND	4	ND	4	ND
Methoxychlor	17	17	ND	17	ND	17	ND	85	ND	17	ND	17	ND
Chlordane	17	17	ND	17	ND	17	ND	85	ND	17	ND	17	ND
Toxaphene	170	170	ND	170	ND	170	ND	850	ND	170	ND	170	ND

* = Sample diluted due to dark oily matrix

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/25/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/30/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (Pesticides)

Lab No.:		LCS											
Client Sample I.D.:		--											
Date Sampled:		--											
QC Batch #:		C008080S003											
Date Extracted:		01/03/00											
Date Analyzed :		01/06/00											
Analyst Initials:		NN											
Dilution Factor:		1											
ANALYTE	MDL	%Rec	Limits	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	82	26-143										
Gamma-BHC (Lindane)	2	82	26-143										
Beta-BHC	2	79	26-143										
Heptachlor	2	77	26-143										
Delta-BHC	2	86	26-143										
Aldrin	2	82	26-143										
Heptachlor Epoxide	2	84	26-143										
Endosulfan I	2	84	26-143										
4,4'-DDE	4	84	26-143										
Dieldrin	4	83	26-143										
Endrin	4	77	26-143										
4,4'-DDD	4	105	26-143										
Endosulfan II	4	91	26-143										
4,4'-DDT	4	45	26-143										
Endrin Aldehyde	4	99	26-143										
Endosulfan Sulfate	4	97	26-143										
Methoxychlor	17	110	26-143										
Chlordane	17	NS	NS										
Toxaphene	170	NS	NS										

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/11/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**
Attn:	**Ross White**
Client's Project:	**Oakland Mole, #E8000-06-13**
Date Received:	**12/30/99**
Extraction Method:	**3550B**
Matrix:	**Soil**
Units:	**ug/kg**

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40684-001		40684-002		40684-005		40684-006		40684-002Dup	
Client Sample I.D.:		--		B8-0		B8-3.5		B8-7.5		B5-3.5		B8-3.5	
Date Sampled:		--		12/29/99		12/29/99		12/29/99		12/29/99		12/29/99	
QC Batch #:		H008080S003		H008080S003		H008080S003		H008080S003		H008080S003		H008080S003	
Date Extracted:		01/03/00		01/03/00		01/03/00		01/03/00		01/03/00		01/03/00	
Date Analyzed :		01/04/00		01/04/00		01/05/00		01/05/00		01/05/00		01/05/00	
Analyst Initials:		NN		NN		NN		NN		NN		NN	
Dilution Factor:		1		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1221	67	67	ND	67	ND	67	ND	67	ND	67	ND	67	ND
Aroclor-1232	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1242	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1248	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1254	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1260	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1262	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND
Aroclor-1268	33	33	ND	33	ND	33	ND	33	ND	33	ND	33	ND

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: ~~10~~ 01/11/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\8080106.M (Chemstation Integrator)
Title :
Last Update : Thu Jan 06 08:56:05 2000
Response via : Initial Calibration

Non-Spiked Sample: C0106009.D

	Spike Sample	Spike Duplicate Sample
File ID :	C0106014.D	C0106015.D
Sample :	40684-001,C008080S003,MS	40684-001,C008080S003,MSD
Acq Time:	1-6-00 11:51:54 PM	1-7-00 12:22:13 AM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
gamma-BHC	0.0	40	27	28	68	70	2	9	50-127
Heptachlor	0.0	40	27	28	68	70	2	12	35-136
Aldrin	0.0	40	29	28	72	68	4	15	47-143
Dieldrin	0.0	80	44	44	55	55	0	8	54-134
Endrin	0.0	80	44	44	55#	55#	0	16	61-138
4,4' -DDT	213	80	210	167	0 #	0 #	0#	22	15-155

- Fails Limit Check.LCS passed.

QC BATCH:C008080S003

REVIEWED/APPROVED BY: C. Persaud DATE: 01/11/00
Compton Persaud
Department Supervisor

Spike Recovery and RPD Summary Report - SOIL(UG/KG)

Method : C:\HPCHEM\1\METHODS\1660105.M (Chemstation Integrator)
Title : 8080/608 PCB 1016&1260
Last Update : Fri Jan 07 11:02:41 2000
Response via : Initial Calibration

Non-Spiked Sample: H0104034.D

	Spike Sample	Spike Duplicate Sample
File ID :	H0105020.D	H0105021.D
Sample :	40684-006,H008080S003,MS	40684-006,H008080S003,MSD
Acq Time:	5 Jan 2000 11:24 pm	5 Jan 2000 11:55 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
AROCLOR 1254-1	0.0	1000	880	778	88	78	12	16	55-149
AROCLOR 1254-2	0.0	1000	843	738	84	74	13	16	55-149
AROCLOR 1254-3	0.0	1000	961	842	96	84	13	16	55-149
AROCLOR 1254-4	0.0	1000	955	839	96	84	13	16	55-149
AROCLOR 1254-5	0.0	1000	932	1000	93	100	7	16	55-149

QC BATCH:H008080S003

REVIEWED/APPROVED BY: C. Persaud DATE: 01/11/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DS002**
Attn:	**Ross White**	**Date Sampled:**	**12/29/99**
		Date Received:	**12/30/99**
		Date Extracted:	**01/04/00**
		Date Analyzed:	**01/05/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40684-001	B8-0	316	10	10
40684-002	B8-3.5	6.0	1.0	1.0
40684-003	B8-7.5	1.0	1.0	1.0
40684-004	B8-11.5	1.0	1.0	1.0
40684-005	B5-0	321	10	10
40684-006	B5-3.5	327	10	10
40684-007	B5-7.5	162	10	10
40684-013	B5-11.5	133	10	10
40684-013Dup	B5-11.5	ND	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/11/00

Compton Persaud
Department Supervisor

e cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DS002**
Attn:	**Ross White**	**Date Sampled:**	**12/29/99**
		Date Received:	**12/30/99**
		Date Extracted:	**01/04/00**
		Date Analyzed:	**01/05/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1.0	1.0
40684-001	B8-0	323	10	10
40684-002	B8-3.5	7.0	1.0	1.0
40684-003	B8-7.5	2.0	1.0	1.0
40684-004	B8-11.5	3.0	1.0	1.0
40684-005	B5-0	308	10	10
40684-006	B5-3.5	349	10	10
40684-007	B5-7.5	164	10	10
40684-013	B5-11.5	132	10	10
40684-013Dup	B5-11.5	2.0	1.0	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/11/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Thu Jan 06 09:30:32 2000
Response via : Initial Calibration

Non-Spiked Sample: L0105023.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0105034.D	L0105035.D
Sample :	40684-004,L008015DS002MS MO	40684-004,L008015DS002MSD MO
Acq Time:	6 Jan 2000 2:00 am	6 Jan 2000 2:25 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	104.1	1000	947	842	84	74	13	37	40-140

QCBATCH#L008015DS002

Reviewed/Approved by: C. Persaud Date: 01/11/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DW003**
Attn:	**Ross White**	**Date Sampled:**	**12/29/99**
		Date Received:	**12/30/99**
		Date Extracted:	**01/05/00**
		Date Analyzed:	**01/05/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3510C**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Water**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
40684-009	B8-WS	0.06	0.05	1.0
40684-010	B8-WD	0.2	0.05	1.0
40684-011	B5-WS	0.6	0.05	1.0
40684-012	B5-WD	0.3	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/14/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - SOIL (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Thu Jan 06 09:30:32 2000
Response via : Initial Calibration

Non-Spiked Sample: L0105021.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0105031.D	L0105032.D
Sample :	40684-002,L008015DS002MS DSL	40684-002,L008015DS002MSD DSL
Acq Time:	6 Jan 2000 12:44 am	6 Jan 2000 1:09 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	184.2	1000	537	578	35*	39*	10	37	40-140

*MS/MSD recoveries are below QC requirements due to matrix interference. However, LCS is within limits.

QCBATCH#L008015DS002

Reviewed/Approved by: C. Persaud Date: 01/11/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DW003**
Attn:	**Ross White**	**Date Sampled:**	**12/29/99**
		Date Received:	**12/30/99**
		Date Extracted:	**01/05/00**
		Date Analyzed:	**01/05/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3510C**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Water**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	----	ND	0.05	1.0
40684-009	B8-WS	0.1	0.05	1.0
40684-010	B8-WD	0.2	0.05	1.0
40684-011	B5-WS	0.4	0.05	1.0
40684-012	B5-WD	0.3	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/14/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - WATER (mg/L)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L0105048.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0105048.D	L0105049.D
Sample :	MS MO,L008015DW003	MSD MO,L008015DW003
Acq Time:	6 Jan 2000 7:52 am	6 Jan 2000 8:17 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	0.0	1000	1000	1001	100	100	0	23	42-142

QCBATCH#L008015DW003

Reviewed/Approved by: Co-Persaud Date: 01/14/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - WATER (mg/L)

Method : C:\HPCHEM\2\METHODS\LD991223.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Mon Jan 03 14:22:08 2000
Response via : Initial Calibration

Non-Spiked Sample: L0105038.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0105045.D	L0105047.D
Sample :	MS DSL,L008015DW003	DSL MSD,L008015DW003
Acq Time:	6 Jan 2000 6:37 am	6 Jan 2000 7:27 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	0.0	1000	703	771	70	77	10	23	42-142

QCBATCH#L008015DW003

Reviewed/Approved by: C. Persaud Date: 01/14/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 121/30/99
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		Method Blank		Method Blank		40684-001		40684-002		40684-003	
Client Sample I.D.:		--		--		B8-0		B8-3.5		B8-7.5	
Date Sampled:		--		--		12/29/1999		12/29/1999		12/29/1999	
Date Analyzed:		01/10/2000		01/12/2000		01/11/2000		01/11/2000		01/12/2000	
QC Batch No:		000110GC12A1		000112GC12A1		000110GC12A1		000110GC12A1		000112GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	98	98	114	73	66
BFB (ElCD	83	93	87	63	70

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: Co Persaud
Compton Persaud
Department Supervisor

Date 01/26/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole #E8000-06-13
Date Received: 121/30/99
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		40684-004		40684-005		40684-006		40684-007		40684-013	
Client Sample I.D.:		B8-11.5		B5-0		B5-3.5		B5-7.5		B5-11.5	
Date Sampled:		12/29/1999		12/29/1999		12/29/1999		12/29/1999		12/29/1999	
Date Analyzed:		01/12/2000		01/13/2000		01/13/2000		01/13/2000		01/13/2000	
QC Batch No:		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	5.2	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	3.7	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	87	24*	37*	42*	52*
BFB (ElCD	87	26*	41*	48*	52*

* = Recovery below limits due to sample matrix. (Confirmed with rerun)
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date 01/26/00

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8010

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0			Spike Amt. = added amt X DF		
ANALYTE	MDL	Result (ug/L)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt.
Vinyl chloride	1.0	ND	1.0	67	60	140	83	60	140	21	30	20
Methylene chloride	1.0	ND	1.0	70	60	140	75	60	140	6.8	30	20
Trichloroethene	1.0	ND	1.0	84	60	140	94	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	78	60	140	86	60	140	9.8	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	77	60	140	80	60	140	4.5	30	20
SURROGATE		%R		%R			%R					
BFB		70		79			79					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/26/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_adcb.16_1010.run
MS Datafile: c:\star\000110\12jan_adcb.16_1011.run
MSD Datafile: c:\star\000110\12jan_adcb.16_1012.run

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8020

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0					
ANALYTE	MDL (ug/Kg	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt
Benzene	1.0	ND	1.0	74	60	140	81	60	140	9.7	30	20
Toluene	1.0	ND	1.0	74	60	140	82	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	74	60	140	82	60	140	10	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	61	60	140	65	60	140	6.9	30	20
SURROGATE		%R		%R			%R					
BFB		66		77			83					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/26/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_3800.44_1010.run
MS Datafile: c:\star\000110\12jan_3800.44_1011.run
MSD Datafile: c:\star\000110\12jan_3800.44_1012.run

Non-Spike Method file: C:\Star\methods\GC000112.mth
MS Method File: C:\Star\methods\GC000112.mth
MSD Method File: C:\Star\methods\GC000112.mth

The cover letter is an integral part of this analytical report

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 12/30/99
Date Sampled: 12/29/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40684-009	B8-WS	EPA 335.2 (Total Cyanide)	01/04/00	ND	Water, mg/L	0.05	0.05	NS
40684-010	B8-WD	EPA 335.2 (Total Cyanide)	01/04/00	ND	Water, mg/L	0.05	0.05	NS
40684-011	B5-WS	EPA 335.2 (Total Cyanide)	01/04/00	ND	Water, mg/L	0.05	0.05	NS
40684-012	B5-WD	EPA 335.2 (Total Cyanide)	01/04/00	ND	Water, mg/L	0.05	0.05	NS
40684-009	B8-WS	EPA 150.1 (pH)	12/30/99	7.49	Water, pH units	---	---	DG
40684-009Dup	B8-WS	EPA 150.1 (pH)	12/30/99	7.55	Water, pH units	---	---	DG
40684-010	B8-WD	EPA 150.1 (pH)	12/30/99	7.01	Water, pH units	---	---	DG
40684-011	B5-WS	EPA 150.1 (pH)	12/30/99	8.24	Water, pH units	---	---	DG
40684-012	B5-WD	EPA 150.1 (pH)	12/30/99	7.38	Water, pH units	---	---	DG

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: C. Persaud
Cheryl de los Reyes
Technical Operations Manager

Date: 01/14/00

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		40684-001	40684-002	40684-003	40684-004	40684-005	40684-006	40684-007
Client Sample ID:		B8-0	B8-3.5	B8-7.5	B8-11.5	B5-0	B5-3.5	B5-7.5
Date Sampled:		12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99	12/29/99
Date Digested:		01/04/00	01/04/00	01/04/00	01/04/00	01/04/00	01/04/00	01/04/00
Date Analyzed:		01/05/00	01/05/00	01/05/00	01/05/00	01/05/00	01/05/00	01/05/00
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP	DJ/HP	DJ/HP	DJ/HP	DJ/HP
Dilution Factor:		1	1	1	1	1	1	1
ANALYTE*	DLR	RESULTS						
Antimony	0.25	1.7	0.33	ND	ND	0.54	0.95	0.28
Arsenic	0.25	4.6	2.9	1.6	2.4	4.7	6.1	3.6
Barium	0.05	86	24	14	54	78	140	50
Beryllium	0.05	ND	0.41	ND	0.12	0.057	0.069	0.14
Cadmium	0.15	0.43	ND	ND	ND	ND	ND	ND
Chromium	0.15	14	1.6	13	9.4	21	21	13
Cobalt	0.15	5.3	0.90	2.5	6.2	6.5	5.4	4.0
Copper	0.15	48	3.4	3.6	5.2	47	50	21
Lead	0.25	377	7.20	1.8	4.7	83	362	58
Mercury **	0.10	0.14	ND	ND	ND	0.37	1.4	1.6
Molybdenum	0.25	2.6	0.77	0.44	0.86	1.8	1.7	1.6
Nickel	0.15	16	1.1	14	15	31	22	16
Selenium	0.25	1.2	0.59	0.42	ND	0.79	0.85	0.87
Silver	0.05	0.22	0.13	0.090	ND	0.34	0.37	0.11
Thallium	0.25	ND	ND	ND	ND	ND	ND	ND
Vanadium	0.15	13	3.9	6.3	8.9	16	20	10
Zinc	0.50	129	16	12	19	100	164	47

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed on 01/04/00

Reviewed/Approved By: Cheryl de los Reyes
Technical Operations Manager

Date: 01/05/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
Geocon-Pleasanton
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		40684-013	40684-013Dup						
Client Sample ID:		B5-11.5	B5-11.5						
Date Sampled:		12/29/99	12/29/99						
Date Digested:		01/04/00	01/04/00						
Date Analyzed:		01/05/00	01/05/00						
Analyst Initials:		DJ/HP	DJ/HP						
Dilution Factor:		1	1						
ANALYTE*	DLR		RESULTS						
Antimony	0.25	0.41	0.76						
Arsenic	0.25	5.5	6.5						
Barium	0.05	84	103						
Beryllium	0.05	0.066	0.096						
Cadmium	0.15	ND	ND						
Chromium	0.15	18	22						
Cobalt	0.15	5.3	6.6						
Copper	0.15	44	52						
Lead	0.25	128	175						
Mercury **	0.10	1.0	1.2						
Molybdenum	0.25	1.4	1.7						
Nickel	0.15	21	29						
Selenium	0.25	0.89	0.84						
Silver	0.05	0.29	0.25						
Thallium	0.25	ND	ND						
Vanadium	0.15	18	21						
Zinc	0.50	108	146						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed on 01/04/00

Reviewed/Approved By: C. Reyes
Cheryl de los Reyes
Technical Operations Manager

Date: 01/06/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000105-1

QA File: 0005-1

Date Analyzed: 11/22/99

Date Digested: 11/22/99

Sample ID: 39717-108

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP991122S-1

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.99	99	ND	0.41	0.76	60	125	87	90	69	72	32-110	3	23	0.25
Arsenic	mg/kg	1.0	0.98	98	ND	5.5	6.5	17	125	116	118	88	90	68-105	2	7	0.25
Barium	mg/kg	1.0	1.0	100	ND	84	103	20	125	242	210	126	101	22-170	14	30	0.05
Beryllium	mg/kg	1.0	0.98	98	ND	0.066	0.096	37	125	108	110	86	88	47-134	2	7	0.05
Cadmium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	109	111	87	89	65-106	2	7	0.15
Chromium	mg/kg	1.0	1.0	100	ND	18	22	20	125	136	134	94	93	61-128	1	10	0.15
Cobalt	mg/kg	1.0	0.99	99	ND	5.3	6.6	22	125	116	116	89	89	68-112	0	7	0.15
Copper	mg/kg	1.0	1.1	110	ND	44	52	17	125	181	166	110	98	60-133	9	18	0.15
Lead*	mg/kg	1.0	1.0	100	ND	128	175	31	125	315	256	150	102	68-106	21	10	0.25
Molybdenum	mg/kg	1.0	1.0	100	ND	1.4	1.7	19	125	108	110	85	87	67-107	2	14	0.25
Nickel	mg/kg	1.0	1.0	100	ND	21	29	32	125	139	137	94	93	29-155	1	24	0.15
Selenium	mg/kg	1.0	0.95	95	ND	0.89	0.81	9	125	106	107	84	85	51-114	1	13	0.25
Silver	mg/kg	1.0	0.94	94	ND	0.29	0.25	15	125	108	110	86	88	45-111	2	14	0.05
Thallium	mg/kg	1.0	1.0	100	ND	ND	ND	0	125	113	116	90	93	60-111	3	6	0.25
Vanadium	mg/kg	1.0	1.0	100	ND	18	21	15	125	134	134	93	93	71-116	0	12	0.15
Zinc	mg/kg	1.0	1.0	100	ND	108	146	30	125	249	243	113	108	47-128	2	30	0.50

*RPD out of limit due to sample matrix.

Approved by: C. Persaud Jr
Cheryl De Los Reyes
Technical Operations Manager

Date: 01/05/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7471A
Analyst: HP
Data File: 00104S-1
QA File: 0004-1

ANALYTE MERCURY
Date Digested: 1/4/00
Date Analyzed: 1/4/00
Matrix: SOIL/SLUDGE
QC Batch No: HG000104S-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL C	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40684-013	mg/kg	0.025	0.028	112	ND	1.0	0.83	3.00	2.1	241	133	50-147	58	30	0.10
40727-024	mg/kg	0.025	0.026	104	ND	ND	0.83	0.83	0.79	100	95	50-147	5	30	0.10

Approved by: C. Gerrard
Cheryl De Los Reyes
Technical Operations Manager

Date: 01/05/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Total Metals)

Lab No.:		40684-009	40684-010	40684-011	40684-012				
Client Sample I.D.:		B8-WS	B8-WD	B5-WS	B5-WD				
Date Sampled:		12/29/99	12/29/99	12/29/99	12/29/99				
Date Digested:		01/05/00	01/05/00	01/05/00	01/05/00				
Date Analyzed:		01/05/00	01/05/00	01/05/00	01/05/00				
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP	DJ/HP				
Dilution Factor:		1	1	1	1				
ANALYTE*	DLR	RESULTS							
Antimony	0.005	0.021	0.016	0.010	0.013				
Arsenic	0.005	0.36	0.58	0.072	0.16				
Barium	0.001	8.9	3.1	0.62	0.95				
Beryllium	0.001	0.016	0.002	ND	ND				
Cadmium	0.003	ND	ND	ND	ND				
Chromium	0.003	1.5	1.2	0.18	0.66				
Cobalt	0.003	0.79	0.23	0.034	0.17				
Copper	0.003	0.83	1.0	0.28	0.30				
Lead	0.005	0.72	0.25	2.0	0.10				
Mercury **	0.004	0.018	ND	ND	ND				
Molybdenum	0.005	0.13	0.097	0.039	0.081				
Nickel	0.003	2.1	1.4	0.16	0.47				
Selenium	0.005	ND	ND	ND	ND				
Silver	0.001	0.005	0.010	0.019	0.009				
Thallium	0.005	ND	ND	ND	ND				
Vanadium	0.003	1.1	0.57	0.13	0.44				
Zinc	0.010	2.2	1.2	0.73	0.45				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/05/00

Reviewed/Approved By: _____ Date: 1/28/00
Cheryl de los Reyes
Technical Operations Manager

This cover letter is an integral part of this analytical report.
Geocon-Pleasanton

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 12/30/99
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Dissolved Metals)

Lab No.:		40684-009	40684-010	40684-011	40684-012				
Client Sample I.D.:		B8-WS	B8-WD	B5-WS	B5-WD				
Date Sampled:		12/29/99	12/29/99	12/29/99	12/29/99				
Date Digested:		01/05/00	01/05/00	01/05/00	01/05/00				
Date Analyzed:		01/05/00	01/05/00	01/05/00	01/05/00				
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP	DJ/HP				
Dilution Factor:		1	1	1	1				
ANALYTE*	DLR	RESULTS							
Antimony	0.005	ND	0.007	ND	ND				
Arsenic	0.005	0.010	0.015	0.011	0.005				
Barium	0.001	0.18	0.28	0.11	0.4				
Beryllium	0.001	ND	ND	ND	ND				
Cadmium	0.003	ND	ND	ND	ND				
Chromium	0.003	0.004	0.004	0.004	0.009				
Cobalt	0.003	0.014	ND	ND	0.007				
Copper	0.003	ND	ND	ND	0.003				
Lead	0.005	ND	ND	ND	ND				
Mercury **	0.004	ND	ND	ND	ND				
Molybdenum	0.005	0.015	0.012	0.015	0.015				
Nickel	0.003	0.037	0.011	0.004	0.018				
Selenium	0.005	ND	0.006	ND	ND				
Silver	0.001	0.009	0.011	0.016	0.009				
Thallium	0.005	ND	ND	ND	ND				
Vanadium	0.003	ND	ND	ND	0.015				
Zinc	0.010	ND	ND	ND	ND				

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/06/00

Reviewed/Approved By: CW
Cheryl de los Reyes
Technical Operations Manager

Date: 1/28/00

Spike Recovery and RPD Summary Report

Method: EPA 6010
Analyst: DJ/SER
Data File: ICAP000105-5
QA File: 0005-5

Date Analyzed: 1/5/00
Date Digested: 1/5/00
Sample ID: 40684-012
Matrix: Water
QC Batch No: ICAP 000105W-5

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/L	1.0	0.98	98	ND	0.013	0.011	17	5.0	2.8	2.8	56	56	50-150	0	11	0.005
Arsenic	mg/L	1.0	0.98	98	ND	0.16	0.160	0	5.0	3.9	3.9	75	75	57-126	0	9	0.005
Barium	mg/L	1.0	0.94	94	ND	0.95	0.950	0	5.0	4.5	4.5	71	71	58-124	0	12	0.001
Beryllium	mg/L	1.0	0.96	96	ND	ND	ND	0	5.0	3.4	3.4	68	68	48-124	0	11	0.001
Cadmium	mg/L	1.0	1.0	100	ND	ND	ND	0	5.0	3.6	3.5	72	70	55-122	3	10	0.003
Chromium	mg/L	1.0	0.95	95	ND	0.66	0.66	0	5.0	4.0	3.9	67	65	59-123	3	9	0.003
Cobalt	mg/L	1.0	0.95	95	ND	0.17	0.17	0	5.0	3.6	3.6	69	69	60-119	0	8	0.003
Copper	mg/L	1.0	0.97	97	ND	0.30	0.30	0	5.0	4.6	4.5	86	84	76-114	2	11	0.003
Lead	mg/L	1.0	1.0	100	ND	0.10	0.11	10	5.0	3.9	3.8	76	74	67-119	3	9	0.005
Molybdenum	mg/L	1.0	0.98	98	ND	0.081	0.084	4	5.0	3.5	3.6	68	70	67-115	3	17	0.005
Nickel	mg/L	1.0	0.99	99	ND	0.470	0.47	0	5.0	3.9	3.8	69	67	57-120	3	10	0.003
Selenium	mg/L	1.0	0.92	92	ND	ND	ND	0	5.0	3.6	3.6	72	72	41-136	0	10	0.005
Silver	mg/L	1.0	0.90	90	ND	0.009	0.009	0	5.0	3.7	3.7	74	74	24-155	0	13	0.001
Thallium	mg/L	1.0	0.99	99	ND	ND	ND	0	5.0	3.7	3.7	74	74	62-123	0	9	0.005
Vanadium	mg/L	1.0	0.96	96	ND	0.44	0.45	2	5.0	3.9	3.9	69	69	62-120	0	10	0.003
Zinc	mg/L	1.0	1.0	100	ND	0.45	0.46	2	5.0	4.1	4.0	73	71	35-126	3	16	0.010

Approved by: C. Delos Reyes
Cheryl De Los Reyes
Technical Operations Manager

Date: 01/14/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 335.2/SM 4500-CN B,C
Analyst: NS
Data File: 0004-1W

Date: 01/04/00
Sample ID: 40668-001
Matrix: WATER
QC Batch: CN000104W-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RSLT	MSD RSLT	%MS REC	%MSD REC	REC Lmt	RPD	RPD Lmt	MDL
CYANIDE	mg/L	0.40	0.39	98	ND	ND	0.40	0.42	0.41	105	103	80-120	2	20	0.05

Approved by: C. Persaud

Cheryl De Los Reyes
Technical Operations Manager

Date: 01/14/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040
Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 7470/245.1
Analyst: DJ
Data File: 00105W-1
QA File: 0005-1

ANALYTE: MERCURY
Date Analyzed: 1/5/00
Date Digested: 1/5/00
Matrix: WATER
QC Batch No: HG000105W-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40684-012DIS	mg/L	0.025	0.025	100	ND	ND	0.020	0.017	0.016	85	80	63-139	6	20	0.004

Approved by: C. Reyes
Cheryl De Los Reyes
Technical Operations Manager

Date: 01/14/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

ANALYTE: MERCURY

Method: EPA 7470/245.1

Analyst: DJ

Data File: 00106W-1

QA File: 0006-1

Date Analyzed: 1/6/00

Date Digested: 1/6/00

Matrix: WATER

QC Batch No: HG000106W-1

SAMPLE ID	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40651-003	mg/L	0.025	0.026	104	ND	ND	0.020	0.024	0.024	120	120	63-139	0	20	0.004
40684-012	mg/L	0.025	0.020	80	ND	ND	0.020	0.018	0.018	90	90	63-139	0	20	0.004

Approved by: C. Persaud

Cheryl De Los Reyes
Technical Operations Manager

Date: 01/14/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14082
Project ID: PO#21007

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud **Phone:** 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68245	AE68246	AE68247	AE68248	
Sample No:	40684-001	40684-002	40684-003	40684-004	
Date Sampled:	12/29/99	12/29/99	12/29/99	12/29/99	
Date Extracted:	01/04/00	01/04/00	01/04/00	01/04/00	Detection
Date Analyzed:	01/04/00	01/04/00	01/04/00	01/04/00	Limit
Benzo(a)anthracene	ND	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	ND	ND	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	ND	0.020
Chrysene	ND	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	ND	0.020
Fluorene	ND	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	ND	0.020
Pyrene	ND	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68245	AE68246	AE68247	AE68248
Surrogate Percent Recovery				
P- Terphenyl-d14	80	81	86	79

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	87	87	<1
Benzo(a)pyrene	78	79	1.3
Naphthalene	88	92	4.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14082
Project ID: PO#21007

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68249	AE68250	AE68251	AE68252	
Sample No:	40684-005	40684-006	40684-007	40684-013	
Date Sampled:	12/29/99	12/29/99	12/29/99	12/29/99	
Date Extracted:	01/04/00	01/04/00	01/04/00	01/04/00	Detection Limit
Date Analyzed:	01/04/00	01/04/00	01/04/00	01/04/00	
Benzo(a)anthracene	ND	0.057	0.033	0.027	0.020
Benzo(a)pyrene	ND	0.057	0.037	0.046	0.020
Benzo(b)fluoranthene	0.031	0.082	0.041	0.054	0.020
Benzo(k)fluoranthene	ND	0.027	ND	ND	0.020
Chrysene	ND	0.069	0.033	0.037	0.020
Dibenzo(a,h)anthracene	ND	0.046	0.030	0.028	0.020
Indeno(1,2,3-cd)pyrene	ND	0.047	0.030	0.043	0.020
Acenaphthene	ND	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	ND	0.020
Anthracene	ND	ND	0.041	ND	0.020
Benzo(ghi)perylene	ND	0.036	0.026	0.039	0.020
Fluoranthene	0.043	0.082	0.106	0.073	0.020
Fluorene	ND	ND	0.026	ND	0.020
Naphthalene	ND	ND	ND	ND	0.020
Phenanthrene	0.096	0.048	0.154	0.057	0.020
Pyrene	0.041	0.101	0.098	0.086	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68249	AE68250	AE68251	AE68252
Surrogate Percent Recovery				
P- Terphenyl-d14	85	115	103	82

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	87	87	<1
Benzo(a)pyrene	78	79	1.3
Naphthalene	88	92	4.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14082
Project ID: PO#21007

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud **Phone:** 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68253	
Sample No:	METHOD BLANK	
Date Sampled:	12/29/99	
Date Extracted:	01/04/00	**Detection Limit**
Date Analyzed:	01/04/00	
Benzo(a)anthracene	ND	0.020
Benzo(a)pyrene	ND	0.020
Benzo(b)fluoranthene	ND	0.020
Benzo(k)fluoranthene	ND	0.020
Chrysene	ND	0.020
Dibenzo(a,h)anthracene	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	0.020
Acenaphthene	ND	0.020
Acenaphthylene	ND	0.020
Anthracene	ND	0.020
Benzo(ghi)perylene	ND	0.020
Fluoranthene	ND	0.020
Fluorene	ND	0.020
Naphthalene	ND	0.020
Phenanthrene	ND	0.020
Pyrene	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID: AE68253

Surrogate Percent Recovery	
P- Terphenyl-d14	85

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	87	87	<1
Benzo(a)pyrene	78	79	1.3
Naphthalene	88	92	4.4

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14082

PROJECT: PO#21007
SITE: ----------
DATE SAMPLED: 12-29-99
DATE SUBMITTED: 12-30-99
DATE ANALYSIS COMPLETED: 01-04-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	493	99
Acenaphthylene	1,000	981	98
Anthracene	50	54.1	108
Benzo(a)anthracene	50	45.1	90
Benzo(a)pyrene	50	40.4	81
Benzo(b)fluoranthene	100	95.2	95
Benzo(g,h,i)perylene	100	91.3	91
Benzo (k) fluoranthene	50	44.9	90
Chrysene	50	42.6	85
Dibenzo (a, h) anthracene	100	103	103
Fluoranthene	100	94.3	94
Fluorene	100	80.4	80
Indeno (1,2,3-cd) pyrene	50	46.4	93
Naphthalene	500	486	97
Phenanthrene	50	48.5	97
Pyrene	50	43.1	86

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Mr. Compton Persaud

Date of Report:	12/31/99
Sampling Date:	12/29/99
Date Sample Received:	12/30/99
Date Extracted:	12/31/99
Date Analyzed:	December 31, 1999
Analyzed By:	EA
Sample Type:	Water
Log Number:	99-3998 to 99-4001

ANALYSES RESULTS

		Analysis:	EDB
		Prep/Analysis Method:	EPA 8011
		Units:	ug/l
Log #:	Sample ID:		
99-3998	40684-009/B8-WS		<0.02
99-3999	40684-010/B8-WD		<0.02
99-4000	40684-011/B5-WS		<0.02
99-4001	40684-012/B5-WD		<0.02

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date: 12/31/99

Attn: Mr. Compton Persaud

Log #: 99-3998 to 99-4001

Date Extracted: 12/31/99

Date Analyzed: December 31, 1999

Analysis	Prep/Analysis Method	LCS % Recovery
EDB	EPA 8011	96

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- LCS - Laboratory Control Sample. Reported as % Recovery of an Independent Standard carried through all sample preparation procedures to verify method performance. Acceptable range Is 80 % -120 % recovery.
- Spike- Environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as
- % Recovery. Acceptable range for "Normal Matrix Sample" is 75 % - 125% recovery.
- % Recovery = (Spike Sample Result - Sample Result) *100/Spike Concentration.
- RPD (Relative % Difference) = (Spiked Sample - Spike Duplicate) * 100 / Average Result.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [signature] Date: 12-30 Time: 0930

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole Project #: E8000-06-13 Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White [signature] Date: Time: Received by: (Signature and Printed Name) Mane Galvan Date: 12-30-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/29/99
Print Name
[signature]
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Report Pesticides + PCBs
Metals → 48 HR TAT
EVERYTHING ELSE → STANDARD TAT !
* if not enough sample ☒ Metals are most important
Keep enough for WET/TCLP

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC) *Motor Oil	418.1 (TPH-IR)	Metals-Total (CAC 6010/7000) Title 22	8021 VOCs	8310 PAHs	Hoop	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40684-001	B8-0	12/29	849			X				X	X		X	X	X		X							48/E	1	TM		
	002	B8-3.5		853			X				X	X		X	X	X													
	003	B8-7.5		855							X	X		X	X	X													
	004	B8-11.5		859							X	X		X	X	X													
	005	B5-0		1323			X				X	X		X	X	X													
	006	B5-3.5		1327			X				X	X		X	X	X													
	007	B5-7.5 *		1331							X	X		X	X	X													
	013	B5-11.5		1419							~~X~~	~~X~~		~~X~~	~~X~~	~~X~~													
	008	MW1		1500								OK					X			X									

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [signature] Date: 12-30 Time: 0930

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☑
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☑

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mile Project #: E0000-02-13 Sampler: (Printed Name) Ross White (Signature) [signature]

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Galvan Date: 12-30-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)
TEST:
ATL #:
DATE:
CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/29/99
Print Name
[signature] Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: filter for dissolved metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	626/8270 (BNA-GC/MS) SVOCs	8015M (PHG/BTEX/COMBINATION)	8015M TPH/D (Diesel-GC) + Motor Oil	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Metals Dissolved	Soil EDB	CYANIDE	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	40684-009	B8-WS	12/25	900										X							X					E	1	J P	N	
		B8-WS		901											X												1	J P	/	
		B8-WS		902					X		X					X											3	V G	H	
		B8-WS		903						X		X															2	L G	/	
		B8-WS		904													X	X									2	J P	0/1	
	010	B8-WD		1048										X													1	J P	N	
		B8-WD		1049											X												1	J P	/	
		B8-WD		1050					X		X					X											3	V G	H	
		B8-WD		1051						X		X															2	L G	/	
		B8-WD		1052													X	X									2	J P	0/1	

• TAT starts [illegible] m. following day if samples [illegible]ed after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible] Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P[illegible]t J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=H[illegible] S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ [illegible]aOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter.

CHAIN OF C STODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: DB Date: 12-30 Time: 0930

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client:
Attn:
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole Project #: EE000-06-13 Sampler: (Printed Name) Ross White (Signature)

Relinquished by: (Signature and Printed Name) Ross White Date: Time: Received by: (Signature and Printed Name) Diane Walwan Date: 12-30-99 Time: 0830
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross White Date: 12/29/99
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: See pg 2

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS) VOCs; 8260; 625/8270 (BNA-GC/MS) SVOCs; 8015M (HC) (COMBINATION); 8015M TPH/D (Diesel-GC) + Motor Oil; 418.1 (TPH-IR); Metals-Total (CAC-6010/7000) Metals Dissolved; EDTA; CYANIDE; pH

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020/BTEX	608/8080	624/8240	8260	625/8270	8015M (HC)	8015M TPH/D	418.1	Metals-Total	Metals Dissolved	EDTA	CYANIDE	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	40684-011	B5-WS	12/29	1423										X					X							E	1	J P	N	
		B5-WS		1424											X												1	J P	/	
		B5-WS		1425					X		X					X											3	V G	H	
		B5-WS		1426						X		X															2	L G	/	
		B5-WS		1427													X	X									2	J P	4/1	
	012	B5-WD		1453										X													1	J P	N	
		B5-WD		1454											X												1	J P	/	
		B5-WD		1455					X		X					X											3	V G	H	
		B5-WD		1456						X		X															2	L G	/	
		B5-WD		1457													X	X									2	J P	4/1	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: 1=none
H=Hcl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

FAX

Date 01/18/00

Number of pages including cover sheet 27

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MULE

Phone:

Fax Phone:

FROM: Rachelle (BA)

Company: Advanced Technology Laboratories

1510 E. 33rd St.,

Signal Hill, CA 90807

Phone: 562-989-4045

Fax Phone: 562-989-4040

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

RESULTS

THANKS

40784

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

Advanced Technology Laboratories 1510 E. 33rd Street, Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mule - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		Method Blank		40784-001		40784-001 DUP		40784-002		LCS	
Client Sample I.D.:		--		B1-WS		B1-WS		B1-WD			
Date Sampled:		--		01/05/2000		01/05/2000		01/05/2000			
QC Batch #:		P00VOCW008		P00VOCW008		P00VOCW008		P00VOCW008		P00VOCW008	
Date Analyzed:		01/09/00		01/09/00		01/09/00		01/09/00		01/09/00	
Analyst Initials:		JPC		JPC		JPC		JPC		JPC	
Dilution Factor:		1		1		1		1		1	
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	Limits	Results
benzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromodichloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	104
bromoform	5	5	ND	5	ND	5	ND	5	ND	21-175	106
bromomethane	5	5	ND	5	ND	5	ND	5	ND	21-175	91
n-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
sec-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	112
tert-butylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	115
carbon tetrachloride	5	5	ND	5	ND	5	ND	5	ND	21-175	106
chlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
chloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	92
chloroform	5	5	ND	5	ND	5	ND	5	ND	21-175	99
chloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	84
2-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
4-chlorotoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
dibromochloromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,2-dibromo-3-chloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	112
1,2-dibromoethane	5	5	ND	5	ND	5	ND	5	ND	21-175	105
dibromomethane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
1,2-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,3-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,4-dichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
dichlorodifluoromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	85
1,1-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,2-dichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,1-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
cis-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	101
trans-1,2-dichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	103
1,3-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
2,2-dichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	111
1,1-dichloropropene	5	5	ND	5	ND	5	ND	5	ND	21-175	113
ethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	112
hexachlorobutadiene	5	5	ND	5	ND	5	ND	5	ND	21-175	107

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mule - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER
Units: UG/L

EPA Method 8260B

Lab No.:		Method Blank		40784-001		40784-001 DUP		40784-002		LCS	
Client Sample I.D.:		--		B1-WS		B1-WS		B1-WD			
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
isopropylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
4-isopropyltoluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
methylene chloride	5	5	ND	5	ND	5	ND	5	ND	21-175	88
naphthalene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
n-propylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
styrene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,1,1,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	106
1,1,2,2-tetrachloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	107
tetrachloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
toluene	5	5	ND	5	ND	5	ND	5	ND	21-175	107
1,2,3-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
1,2,4-trichlorobenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	110
1,1,1-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	100
1,1,2-trichloroethane	5	5	ND	5	ND	5	ND	5	ND	21-175	105
trichloroethene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
trichlorofluoromethane	5	5	ND	5	ND	5	ND	5	ND	21-175	91
1,2,3-trichloropropane	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,2,4-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
1,3,5-trimethylbenzene	5	5	ND	5	ND	5	ND	5	ND	21-175	108
vinyl chloride	5	5	ND	5	ND	5	ND	5	ND	21-175	86
o-xylene	5	5	ND	5	ND	5	ND	5	ND	21-175	109
m/p-xylene	5	5	ND	5	ND	5	ND	5	ND	42-350	216

Matrix Spike and Matrix Spike Duplicate Report

Lab No.:	Method Blank		BLANK MS		BLANK MSD					
QC Batch Number:	P00VOCW008		P00VOCW008		P00VOCW008					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
1,1-dichloroethene	5	ND	101	101	111	111	9	61-151	21	100
benzene	5	ND	107	107	114	114	6	73-131	15	100
trichloroethene	5	ND	108	108	117	117	8	72-128	15	100
toluene	5	ND	108	108	118	118	9	63-140	14	100
chlorobenzene	5	ND	107	107	114	114	6	81-115	11	100

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		40784-001		40784-002							
Client Sample I.D.:		--		B1-WS		B1-WD							
Date Sampled:		--		01/05/00		01/05/00							
QC Batch #:		S008270W307		S008270W307		S008270W307							
Date Extracted:		01/07/00		01/07/00		01/07/00							
Date Analyzed:		01/07/00		01/07/00		01/07/00							
Analyst Initials:		HL		HL		HL							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	10	10	ND	10	ND	10	ND						
bis (2-Chloroethyl)ether	10	10	ND	10	ND	10	ND						
2-Chlorophenol	10	10	ND	10	ND	10	ND						
1,3-Dichlorobenzene	10	10	ND	10	ND	10	ND						
1,4-Dichlorobenzene	10	10	ND	10	ND	10	ND						
Benzyl Alcohol	10	10	ND	10	ND	10	ND						
1,2-Dichlorobenzene	10	10	ND	10	ND	10	ND						
2-Methylphenol	10	10	ND	10	ND	10	ND						
bis(2-chloroisopropyl)ether	10	10	ND	10	ND	10	ND						
n-Nitroso-di-n-propylamine	10	10	ND	10	ND	10	ND						
4-Methylphenol	10	10	ND	10	ND	10	ND						
Hexachloroethane	10	10	ND	10	ND	10	ND						
Nitrobenzene	10	10	ND	10	ND	10	ND						
Isophorone	10	10	ND	10	ND	10	ND						
2-Nitrophenol	10	10	ND	10	ND	10	ND						
2,4-Dimethylphenol	10	10	ND	10	ND	10	ND						
bis(2-Chloroethoxy)methane	10	10	ND	10	ND	10	ND						
2,4-Dichlorophenol	10	10	ND	10	ND	10	ND						
Benzoic Acid	50	50	ND	50	ND	50	ND						
1,2,4-Trichlorobenzene	10	10	ND	10	ND	10	ND						
Naphthalene	10	10	ND	10	ND	10	ND						
4-Chloroaniline	10	10	ND	10	ND	10	ND						
Hexachlorobutadiene	10	10	ND	10	ND	10	ND						
4-Chloro-3-methylphenol	10	10	ND	10	ND	10	ND						
2-Methylnaphthalene	10	10	ND	10	ND	10	ND						
Hexachlorocyclopentadiene	10	10	ND	10	ND	10	ND						
2,4,6-Trichlorophenol	10	10	ND	10	ND	10	ND						
2,4,5-Trichlorophenol	10	10	ND	10	ND	10	ND						
2-Chloronaphthalene	10	10	ND	10	ND	10	ND						
2-Nitroaniline	10	10	ND	10	ND	10	ND						
Dimethylphthalate	10	10	ND	10	ND	10	ND						
Acenaphthylene	10	10	ND	10	ND	10	ND						
2,6-Dinitrotoluene	10	10	ND	10	ND	10	ND						
3-Nitroaniline	10	10	ND	10	ND	10	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:		Method Blank		40784-001		40784-002							
Client Sample I.D.:		--		B1-WS		B1-WD							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	10	10	ND	10	ND	10	ND						
2,4-Dinitrophenol	20	20	ND	20	ND	20	ND						
Dibenzofuran	10	10	ND	10	ND	10	ND						
4-Nitrophenol	20	20	ND	20	ND	20	ND						
2,4-Dinitrotoluene	10	10	ND	10	ND	10	ND						
Fluorene	10	10	ND	10	ND	10	ND						
Diethylphthalate	10	10	ND	10	ND	10	ND						
4-Chlorophenyl-phenyl ether	10	10	ND	10	ND	10	ND						
4-Nitroaniline	10	10	ND	10	ND	10	ND						
4,6-Dinitro-2-methylphenol	20	20	ND	20	ND	20	ND						
n-Nitrosodiphenylamine	10	10	ND	10	ND	10	ND						
4-Bromophenyl-phenyl ether	10	10	ND	10	ND	10	ND						
Hexachlorobenzene	10	10	ND	10	ND	10	ND						
Pentachlorophenol	20	20	ND	20	ND	20	ND						
Phenanthrene	10	10	ND	10	ND	10	ND						
Anthracene	10	10	ND	10	ND	10	ND						
Di-n-butylphthalate	10	10	ND	10	ND	10	ND						
Fluoranthene	10	10	ND	10	ND	10	ND						
Pyrene	10	10	ND	10	ND	10	ND						
Butylbenzylphthalate	10	10	ND	10	ND	10	ND						
Benzo[a]anthracene	10	10	ND	10	ND	10	ND						
3,3'-Dichlorobenzidine	20	20	ND	20	ND	20	ND						
Chrysene	10	10	ND	10	ND	10	ND						
bis(2-Ethylhexyl)phthalate	10	10	ND	10	ND	10	ND						
Di-n-octylphthalate	10	10	ND	10	ND	10	ND						
Benzo[b]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[k]fluoranthene	10	10	ND	10	ND	10	ND						
Benzo[a]pyrene	10	10	ND	10	ND	10	ND						
Indeno[1,2,3-cd]pyrene	10	10	ND	10	ND	10	ND						
Dibenz[a,h,]anthracene	10	10	ND	10	ND	10	ND						
Benzo[g,h,i]perylene	10	10	ND	10	ND	10	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (UG/L)

Method : D:\HPCHEM\1\METHODS\S000107.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Mon Jan 03 10:13:01 2000
Response via : Initial Calibration

Non-Spiked Sample: S0107009.D

	Spike Sample	Spike Duplicate Sample
File ID :	S0107010.D	S0107011.D
Sample :	M-BLANK,S008270W307,MS	M-BLANK,S008270W307,MSD
Acq Time:	7 Jan 2000 2:05 pm	7 Jan 2000 2:44 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	56	62	28	31	10	21	12- 78
2-Chlorophenol	0.0	200	154	171	77	86	10	24	30- 91
1,4-Dichlorobenzene	0.0	100	64	73	64	72	12	18	36- 87
N-Nitroso-di-n-propy	0.0	100	65	72	65	72	11	21	31-114
1,2,4-Trichlorobenze	0.0	100	75	84	75	84	12	18	38-100
4-Chloro-3-methylphe	0.0	200	148	163	74	82	10	16	35-102
Acenaphthene	0.0	100	81	88	81	88	9	17	46- 94
4-Nitrophenol	0.0	200	88	94	44	47	7	58	10- 91
2,4-Dinitrotoluene	0.0	100	83	91	83	91	9	20	42-115
Pentachlorophenol	0.0	200	195	209	98	105	7	51	8-125
Pyrene	0.0	100	92	98	91	97	6	16	36-114

QCBATCH# S008270W307

Reviewed/Approved By: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mule - E8000-06-13

Date Received: 01/06/2000
Matrix: WATER

EPA Method 8015B (Gasoline)

Lab No.:			MEHTOD BLANK		40784-001		40784-002		40784-002 DUP		LCS	
Client Sample I.D.:			--		B1-WS		B1-WD		B1-WD		---	
Date Sampled:			--		01/05/2000		01/05/2000		01/05/2000		---	
QC Batch #:			E008G20W006		E008G20W006		E008G20W006		E008G20W006		E008G20W006	
Date Analyzed:			01/10/2000		01/10/2000		01/10/2000		01/10/2000		01/10/2000	
Analyst Initials:			EK		EK		EK		EK		EK	
Dilution Factor:			1		1		1		1		1	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	LIMITS	%REC
Gasoline	0.05	mg/L	0.05	ND	0.05	ND	0.05	ND	0.05	ND	57-129	92

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	MEHTOD BLANK		BLANK MS		BLANK MSD					
QC Batch Number:	E008G20W006		E008G20W006		E008G20W006					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	0.05	ND	1.0	96	0.9	90	6	54-135	18	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 01/06/00
Matrix: SOIL

EPA Method 8015B (Gasoline)

Lab No.:			Method Blank		40784-003		40784-004		40784-005		40784-006	
Client Sample I.D.:			--		B1-0		B1-3.5		B1-7.5		B1-11.5	
Date Sampled:			--		01/05/00		01/05/00		01/05/00		01/05/00	
QC Batch #:			D008G20S006		D008G20S005		D008G20S005		D008G20S005		D008G20S005	
Date Analyzed:			01/11/2000		01/11/2000		01/11/2000		01/11/2000		01/11/2000	
Analyst Initials:			MO		MO		MO		MO		MO	
Dilution Factor:			1.00		1.00		1.00		1.00		1.00	
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Gasoline	1	mg/Kg	1	ND	1	ND	1	ND	1	ND	1	ND

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:			40784-004		40784-004 MS		40784-004 MSD					
QC Batch Number:			D008G20S005		D008G20S005		D008G20S005					
ANALYTE			DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline			1	ND	1.12	22	1.23	25	9	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E5000-06-13

Date Received: 01/06/00
Matrix: SOIL

EPA Method 8015B (Gasoline)

Lab No.:			40784-004 Dup.									
Client Sample I.D.:			B1-3.5									
Date Sampled:			01/05/00									
QC Batch #:			D008G20S005									
Date Analyzed:			01/11/2000									
Analyst Initials:			MO									
Dilution Factor:			1.00									
ANALYTE	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	# DLR	Results
Gasoline	1	mg/Kg	1	ND								

Matrix Spike and Matrix Spike Duplicate Report #

Lab No.:	40784-004		40784-004 MS		40784-004 MSD					
QC Batch Number:	D008G20S005		D008G20S005		D008G20S005					
ANALYTE	DLR	Results	Results	%Rec.	Results	%Rec.	RPD %	Rec. Limits	RPD Limits	Amount
Gasoline	1	ND	1.12	22	1.23	25	9	41-151	21	5

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

Original sample result may be below detection limit. The result was used for % Recovery calculation purposes only.
The cover letter is an integral part of this analytical report.

Client:	Geocon Environmental	QC Batch #:	L008015DW006
Attn:	Ross White	Date Sampled:	01/05/00
		Date Received:	01/06/00
		Date Extracted:	01/07/00
		Date Analyzed:	01/07/00
Client's Project:	Oakland Mole, #E8000-06-13	Extraction Method:	3510C
Matrix:	Water	Extraction Material:	Methylene Chloride
Analyst Initials:	AP		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	---	ND	0.05	1.0
40784-001	B1-WS	0.5	0.05	1.0
40784-002	B1-WD	0.07	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/17/00

Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - WATER (mg/L)

Method : C:\HPCHEM\1\METHODS\FG000110.M (Chemstation Integrator)
Title : Alchols
Last Update : Mon Jan 10 18:19:23 2000
Response via : Initial Calibration

Non-Spiked Sample: L0107012.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0107019.D	L0107020.D
Sample :	MS DSL,L008015DW006	MSD DSL,L008015DW006
Acq Time:	7 Jan 2000 8:07 pm	7 Jan 2000 8:32 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	0.0	1000	699	815	69	82	17	23	42-142

QCBATCH#L008015DW006

Reviewed/Approved by: C. Persaud
Compton Persaud
Department Supervisor

Date: ~~01/18~~ 01/17/00

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DW006**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/07/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3510C**
Matrix:	**Water**	**Extraction Material:**	**Methylene Chloride**
Analyst Initials:	**AP**		

Method 8015B (M) TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/L	DLR, mg/L	Dilution Factor
Method Blank	---	ND	0.05	1.0
40784-001	B1-WS	0.5	0.05	1.0
40784-002	B1-WD	0.05	0.05	1.0

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/17/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories *1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Wed Jan 12 15:34:34 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112059.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112061.D	L0112062.D
Sample :	40784-005,L008015DS007MS MO	40784-005,L008015DS007MSD
Acq Time:	13 Jan 2000 12:38 pm	13 Jan 2000 1:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL calibrate	940.3	1000	697	768	36*	40*	97*	37	40-140

QCBATCH#L008015DS007

*MS/MSD recoveries are below QC requirements due to matrix interference. Howe LCS is within control limits.

Reviewed/Approved by: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Client:	**Geocon Environmental**	**QC Batch #:**	**L008015DS007**
Attn:	**Ross White**	**Date Sampled:**	**01/05/00**
		Date Received:	**01/06/00**
		Date Extracted:	**01/07/00**
		Date Analyzed:	**01/12/00**
Client's Project:	**Oakland Mole, #E8000-06-13**	**Extraction Method:**	**3550B**
		Extraction Material:	**Methylene Chloride**
Matrix:	**Soil**		
Analyst Initials:	**AP**		

Method 8015B (M)/TPH (Diesel)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1	1.0
40784-003	B1-0	334	20	20
40784-004	B1-3.5	910*	40	40
40784-005	B1-7.5	1450*	60	60
40784-006	B1-11.5	127*	10	10
40784-003Dup	B1-0	115	20	20

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
* = Sample contains hydrocarbons that are heavier than diesel. However, quantitation is based on diesel standard.

Reviewed/Approved By: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil calibrated on 12-29-99
Last Update : Wed Jan 12 15:34:34 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112020.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112026.D	L0112027.D
Sample :	40784-006,L008015DS007MS DSL	40784-006,L008015DS007MSD DSL
Acq Time :	12 Jan 2000 9:47 pm	12 Jan 2000 10:12 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	3858	1000	1023*	4070*	21	83	1.020	37	40-140

QCBATCH# L008015DS007

*MS/MSD recoveries are below QC requirements due to matrix interference. However, LCS is within control limits.

Reviewed/Approved by: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client:	Geocon Environmental	QC Batch #:	L008015DS007
Attn:	Ross White	Date Sampled:	01/05/00
		Date Received:	01/06/00
		Date Extracted:	01/07/00
		Date Analyzed:	01/12/00
Client's Project:	Oakland Mole, #E8000-06-13	Extraction Method:	3550B
		Extraction Material:	Methylene Chloride
Matrix:	Soil		
Analyst Initials:	AP		

Method 8015B (M)/TPH (Motor Oil)

Lab No.:	Sample ID:	Results, mg/kg	DLR, mg/kg	Dilution Factor
Method Blank	----	ND	1	1.0
40784-003	B1-0	461	20	20
40784-004	B1-3.5	1310	40	40
40784-005	B1-7.5	1860	60	60
40784-006	B1-11.5	132	10	10
40784-003Dup	B1-0	131	20	20

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/17/00
Compton Persaud
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (Pesticides)

Lab No.:		Method Blank		40784-003		40784-003Dup							
Client Sample I.D.:		--		B1-0		B1-0							
Date Sampled:		--		01/05/00		01/05/00							
QC Batch #:		C008080S015		C008080S015		C008080S015							
Date Extracted:		01/12/00		01/12/00		01/12/00							
Date Analyzed :		01/14/00		01/14/00		01/14/00							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND	2	ND						
Gamma-BHC (Lindane)	2	2	ND	2	ND	2	ND						
Beta-BHC	2	2	ND	2	ND	2	ND						
Heptachlor	2	2	ND	2	ND	2	ND						
Delta-BHC	2	2	ND	2	ND	2	ND						
Aldrin	2	2	ND	2	ND	2	ND						
Heptachlor Epoxide	2	2	ND	2	ND	2	ND						
Endosulfan I	2	2	ND	2	ND	2	ND						
4,4'-DDE	4	4	ND	4	ND	4	ND						
Dieldrin	4	4	ND	4	ND	4	ND						
Endrin	4	4	ND	4	ND	4	ND						
4,4'-DDD	4	4	ND	4	ND	4	ND						
Endosulfan II	4	4	ND	4	7.1	4	ND						
4,4'-DDT	4	4	ND	4	ND	4	ND						
Endrin Aldehyde	4	4	ND	4	ND	4	ND						
Endosulfan Sulfate	4	4	ND	4	ND	4	ND						
Methoxychlor	17	17	ND	17	ND	17	ND						
Chlordane	17	17	ND	17	ND	17	ND						
Toxaphene	170	170	ND	170	ND	170	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: Co Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (Pesticides)

Lab No.:		Method Blank		40784-004									
Client Sample I.D.:		--		B1-3.5									
Date Sampled:		--		01/05/00									
QC Batch #:		H008080S011		H008080S011									
Date Extracted:		01/07/00		01/07/00									
Date Analyzed :		01/14/00		01/14/00									
Analyst Initials:		NN		NN									
Dilution Factor:		1		1									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Alpha-BHC	2	2	ND	2	ND								
Gamma-BHC (Lindane)	2	2	ND	2	ND								
Beta-BHC	2	2	ND	2	ND								
Heptachlor	2	2	ND	2	ND								
Delta-BHC	2	2	ND	2	ND								
Aldrin	2	2	ND	2	ND								
Heptachlor Epoxide	2	2	ND	2	ND								
Endosulfan I	2	2	ND	2	ND								
4,4'-DDE	4	4	ND	4	ND								
Dieldrin	4	4	ND	4	ND								
Endrin	4	4	ND	4	ND								
4,4'-DDD	4	4	ND	4	ND								
Endosulfan II	4	4	ND	4	ND								
4,4'-DDT	4	4	ND	4	ND								
Endrin Aldehyde	4	4	ND	4	ND								
Endosulfan Sulfate	4	4	ND	4	ND								
Methoxychlor	17	17	ND	17	ND								
Chlordane	17	17	ND	17	ND								
Toxaphene	170	170	ND	170	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40784-003		40784-003Dup							
Client Sample I.D.:		--		B1-0		B1-0							
Date Sampled:		--		01/05/00		01/05/00							
QC Batch #:		H008080S011		H008080S011		H008080S011							
Date Extracted:		01/12/00		01/12/00		01/12/00							
Date Analyzed :		01/14/00		01/14/00		01/14/00							
Analyst Initials:		NN		NN		NN							
Dilution Factor:		1		1		1							
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND	33	ND						
Aroclor-1221	67	67	ND	67	ND	67	ND						
Aroclor-1232	33	33	ND	33	ND	33	ND						
Aroclor-1242	33	33	ND	33	ND	33	ND						
Aroclor-1248	33	33	ND	33	ND	33	ND						
Aroclor-1254	33	33	ND	33	ND	33	ND						
Aroclor-1260	33	33	ND	33	36	33	ND						
Aroclor-1262	33	33	ND	33	ND	33	ND						
Aroclor-1268	33	33	ND	33	ND	33	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Extraction Method: 3550B
Matrix: Soil
Units: ug/kg

EPA Method 8080A (PCB)

Lab No.:		Method Blank		40784-004									
Client Sample I.D.:		--		B1-3.5									
Date Sampled:		--		01/05/00									
QC Batch #:		H008080S011		H008080S011									
Date Extracted:		01/07/00		01/07/00									
Date Analyzed :		01/11/00		01/11/00									
Analyst Initials:		NN		NN									
Dilution Factor:		1		1									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Aroclor-1016	33	33	ND	33	ND								
Aroclor-1221	67	67	ND	67	ND								
Aroclor-1232	33	33	ND	33	ND								
Aroclor-1242	33	33	ND	33	ND								
Aroclor-1248	33	33	ND	33	ND								
Aroclor-1254	33	33	ND	33	ND								
Aroclor-1260	33	33	ND	33	ND								
Aroclor-1262	33	33	ND	33	ND								
Aroclor-1268	33	33	ND	33	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: C. Persaud
Compton Persaud
Department Supervisor

Date: 01/17/00

The cover letter is an integral part of this analytical report.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13

Date Received: 01/06/00
Date Sampled: 01/05/00

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
40784-001	B1-WS	EPA 150.1 (pH)	01/06/00	9.12	Water, pH units	—	—	DG
40784-001Dup	B1-WS	EPA 150.1 (pH)	01/06/00	9.14	Water, pH units	—	—	DG
40784-002	B1-WD	EPA 150.1 (pH)	01/06/00	7.00	Water, pH units	—	—	DG
40784-001	B1-WS	EPA 335.2 (Total Cyanide)	01/11/00	ND	Water, mg/L	0.05	0.05	NS
40784-002	B1-WD	EPA 335.2 (Total Cyanide)	01/11/00	ND	Water, mg/L	0.05	0.05	NS

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Dissolved Metals)

Lab No.:		40784-001	40784-002						
Client Sample I.D.:		B1-WS	B1-WD						
Date Sampled:		01/05/00	01/05/00						
Date Digested:		01/07/00	01/07/00						
Date Analyzed:		01/10/00	01/10/00						
Analyst Initials:		DJ/HP	DJ/HP						
Dilution Factor:		1	1						
ANALYTE*	DLR		RESULTS						
Antimony	0.005	0.006	ND						
Arsenic	0.005	ND	ND						
Barium	0.001	0.12	2.7						
Beryllium	0.001	ND	ND						
Cadmium	0.003	ND	ND						
Chromium	0.003	ND	ND						
Cobalt	0.003	ND	ND						
Copper	0.003	0.010	0.017						
Lead	0.005	ND	ND						
Mercury **	0.004	ND	ND						
Molybdenum	0.005	0.023	ND						
Nickel	0.003	0.006	0.003						
Selenium	0.005	0.008	0.005						
Silver	0.001	0.025	0.015						
Thallium	0.005	ND	ND						
Vanadium	0.003	0.004	ND						
Zinc	0.010	ND	ND						

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/07/00

Reviewed/Approved By: CW Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

Cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Water
Units: mg/L
Digestion Method: EPA 3010

EPA 6010 (Total Metals)

Lab No.:		40784-001	40784-002	40784-002Dup					
Client Sample I.D.:		B1-WS	B1-WD	B1-WD					
Date Sampled:		01/05/00	01/05/00	01/05/00					
Date Digested:		01/07/00	01/07/00	01/07/00					
Date Analyzed:		01/10/00	01/10/00	01/10/00					
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP					
Dilution Factor:		1	1	1					
ANALYTE*	DLR		RESULTS						
Antimony	0.005	0.015	0.011	0.014					
Arsenic	0.005	0.15	0.25	0.25					
Barium	0.001	7.9	4.7	4.7					
Beryllium	0.001	0.003	ND	ND					
Cadmium	0.003	0.011	ND	ND					
Chromium	0.003	0.71	1.1	1.1					
Cobalt	0.003	0.44	0.29	0.30					
Copper	0.003	2.8	0.66	0.67					
Lead	0.005	17	0.16	0.16					
Mercury **	0.004	0.006	ND	ND					
Molybdenum	0.005	0.083	0.086	0.093					
Nickel	0.003	0.97	1.4	1.4					
Selenium	0.005	0.011	ND	0.007					
Silver	0.001	0.040	0.018	0.019					
Thallium	0.005	0.017	ND	ND					
Vanadium	0.003	0.67	0.88	0.89					
Zinc	0.010	4.7	1.1	1.1					

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7470, digested and analyzed on 01/07/00

Reviewed/Approved By: _____ Date: 1/18/00
Cheryl de los Reyes
Technical Operations Manager

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000110-3

QA File: 6010-3

Date Analyzed: 1/10/00

Date Digested: 1/7/00

Sample ID: 40784-002

Matrix: Water

QC Batch No: ICAP00110W-3

Analyte	UNITS	LCS Conc	LCS Rec	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/L	1.0	0.92	92	ND	0.011	0.014	24	5.0	3.7	3.8	74	76	50-150	3	11	0.005
Arsenic	mg/L	1.0	0.90	90	ND	0.25	0.25	0	5.0	3.7	3.7	69	69	57-126	0	9	0.005
Barium	mg/L	1.0	0.95	95	ND	4.70	4.70	0	5.0	4.3	4.3	8	8	58-124	0	12	0.001
Beryllium	mg/L	1.0	0.90	90	ND	ND	ND	0	5.0	3.6	3.6	72	72	48-124	0	11	0.001
Cadmium	mg/L	1.0	0.95	95	ND	ND	ND	0	5.0	3.6	3.6	72	72	55-122	0	10	0.003
Chromium	mg/L	1.0	0.91	91	ND	1.1	1.1	0	5.0	3.7	3.7	52	52	59-123	0	9	0.003
Cobalt	mg/L	1.0	0.89	89	ND	0.29	0.30	3	5.0	3.5	3.5	64	64	69-119	0	8	0.003
Copper	mg/L	1.0	0.99	99	ND	0.66	0.67	2	5.0	3.9	3.9	65	65	76-114	0	11	0.003
Lead	mg/L	1.0	0.93	93	ND	0.16	0.16	0	5.0	3.7	3.7	71	71	67-119	0	9	0.005
Molybdenum	mg/L	1.0	0.92	92	ND	0.086	0.093	8	5.0	3.6	3.6	70	70	67-115	0	17	0.005
Nickel	mg/L	1.0	0.94	94	ND	1.4	1.4	0	5.0	3.7	3.7	46	46	57-120	0	10	0.003
Selenium	mg/L	1.0	0.88	88	ND	ND	0.007	*	5.0	3.7	3.7	74	74	41-136	0	10	0.005
Silver	mg/L	1.0	0.89	89	ND	0.018	0.019	5	5.0	3.1	3.1	62	62	24-155	0	13	0.001
Thallium	mg/L	1.0	0.93	93	ND	ND	ND	0	5.0	3.6	3.6	72	72	62-123	0	9	0.005
Vanadium	mg/L	1.0	0.92	92	ND	0.89	0.89	1	5.0	3.8	3.8	58	58	62-120	0	10	0.003
Zinc	mg/L	1.0	0.96	96	ND	1.1	1.1	0	5.0	3.6	3.6	50	50	35-126	0	16	0.010

* % Dev not calculated, result at/near detection limit.

Approved by: _____

Cheryl De Los Reyes

Technical Operations Manager

Date: 1/18/00

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

ANALYTE: MERCURY

Method: EPA 7470/245.1

Analyst: DJ

Data File: 00107W-1

QA File: 0007-1

Date Analyzed: 1/7/00

Date Digested: 1/7/00

Matrix: WATER

QC Batch No: HG000107W-1

SAMPLE ID	UNITS	LCS Conc	LCS Rec	% Rec	METH BLK	SPL CONC	SPK ADD	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40792-008	mg/L	0.025	0.024	96	ND	ND	0.020	0.020	0.020	100	100	63-139	0	20	0.004

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/18/00

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: D.O. #
P.O.#:
Logged By: Date: 1-6 Time: 0920

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑ 2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client:
Attn:
Address: TEL: ( )
City State Zip Code FAX: ( )

Project Name: Oakland Mile Project #: 20000-06-13 Sampler: (Printed Name) Ross Whit (Signature)

Relinquished by: (Signature and Printed Name) Ross Whit Date: 1/5 Time: 500 Received by: (Signature and Printed Name) Golden State Overnight Date: 1/5 Time: 500
Relinquished by: (Signature and Printed Name) Golden State Overnight Date: 1/6 Time: Received by: (Signature and Printed Name) Diane Dalwan Date: 1-6-00 Time: 0900
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT)
TEST:
ATL #:
DATE:
CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ross Whit Date: 1,5 00
Print Name
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: filter for dissolved metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS) SVOCs	8015M (TPH/GC/MS/COMBINATION)	8015M TPH/D (Diesel-GC) + Metals	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	Metals Dissolved	8011 EDB	CYANIDE	pH	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	40784-001	B1-WS	1/5	940										X							X					E	1	J P	N	
		B1-WS		941											X												1	J P	/	
		B1-WS		942					X		X					X											3	V G	H	
		B1-WS		943						X		X															2	L G	/	
		B1-WS		944													X	X									2	J P	0/1	
	002	B1-WD		1115										X													1	J P	N	
		B1-WD		1116											X												1	J P	/	
		B1-WD		1117					X		X					X											3	V G	H	
		B1-WD		1118						X		X															2	L G	/	
		B1-WD		1119													X	X									2	J P	0/1	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pi[illegible]=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaO[illegible] T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: D.O. #
P.O.#:
Logged By: Date: 1-6 Time: 0920

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y ☑ N ☐ 2. HEADSPACE (VOA) Y ☐ N ☑ 3. CONTAINER INTACT Y ☑ N ☐ 4. SEALED Y ☐ N ☑ 5. # OF SPLS MATCH COC Y ☑ N ☐ 6. PRESERVED Y ☑ N ☑

Client: GELCON - ALAMEDA
Attn:
Address: City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole Project #: EE000-06-13 Sampler: (Printed Name) Rusty White (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 1-6-00 Time: 0900
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT): TEST: ATL #: DATE: CLIENT I.D.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Rusty White Date: 1/5/00
Print Name
Signature

Send Report To: Attn: Co: Address City State Zip

Special Instructions/Comments:
Report Pesticides + PCBs
Metals: 48-HR → EVERYTHING ELSE STD. TAT.

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Other: ☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 604/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M (PHC); 8015M TPH/D (Diesel-GC) (COMBINATION); 418.1 (TPH-IR); Metals-Total (CAM 17 Metals); 8021 VOC; 8310 PAHs; TTLC

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	604/8080	624/8240	8260	625/8270	8015M	8015M	418.1	Metals-Total	8021 VOC	8310 PAHs	SOLID (SOIL) SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40784-003	B1-0	1/5	909			X				X	X		X	X	X	X							48/E	1	T M	C	
	004	B1-3.5	↓	912			X				X	X		X	X	X	↓							↓		↓	↓	
	005	B1-7.5		920							X	X		X	X	X												
	006	B1-11.5		955							X	X		X	X	X												

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

FAX

Date 01/26/00

Number of pages including cover sheet 5

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MOLE

Phone:

Fax Phone:

FROM: Randall

Company: Advanced Technology Laboratories

1510 E. 33rd St.,

Signal Hill, CA 90807

Phone: 562-989-4045

Fax Phone: 562-989-4040

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

8310 RESULTS

THANKS

40784

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

B1-D

Lab ID:	AE68510	
Sample No:	40784-003	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	Detection
Date Analyzed:	01/10/00	Limit
Benzo(a)anthracene	0.226	0.020
Benzo(a)pyrene	0.163	0.020
Benzo(b)fluoranthene	0.202	0.020
Benzo(k)fluoranthene	0.085	0.020
Chrysene	0.230	0.020
Dibenzo(a,h)anthracene	0.083	0.020
Indeno(1,2,3-cd)pyrene	0.097	0.020
Acenaphthene	0.426	0.020
Acenaphthylene	ND	0.020
Anthracene	0.178	0.020
Benzo(ghi)perylene	0.083	0.020
Fluoranthene	1.04	0.10
Fluorene	0.298	0.020
Naphthalene	0.346	0.020
Phenanthrene	1.86	0.10
Pyrene	0.704	0.10

QUALITY CONTROL SUMMARY

Lab ID: AE68510

Surrogate Percent Recovery

P- Terphenyl-d14	78

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO. 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Perseaud Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

BL-35

Lab ID:	AE68511	
Sample No:	40784-004	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	Detection Limit
Date Analyzed:	01/10/00	
Benzo(a)anthracene	ND	0.040
Benzo(a)pyrene	ND	0.040
Benzo(b)fluoranthene	ND	0.040
Benzo(k)fluoranthene	ND	0.040
Chrysene	ND	0.040
Dibenzo(a,h)anthracene	0.049	0.040
Indeno(1,2,3-cd)pyrene	ND	0.040
Acenaphthene	ND	0.040
Acenaphthylene	ND	0.040
Anthracene	ND	0.040
Benzo(ghi)perylene	ND	0.040
Fluoranthene	ND	0.040
Fluorene	ND	0.040
Naphthalene	ND	0.040
Phenanthrene	ND	0.040
Pyrene	ND	0.040

QUALITY CONTROL SUMMARY

Lab ID: AE68511

Surrogate Percent Recovery
P- Terphenyl-d14 26

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

Comment to Sample(s)
AE68511: Low surrogate recovery due to matrix interference.

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO. 1541, LACSD NO. 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Page: 4

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud Phone: 562/989-4045

Matrix: Soil
Method: (8310),
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68512	AE68513	AE68514	
	BL-7.5	BL-11.5		
Sample No:	40784-005	40784-006	METHOD BLANK	
Date Sampled:	01/05/00	01/05/00	01/05/00	
Date Extracted:	01/10/00	01/10/00	01/10/00	Detection
Date Analyzed:	01/10/00	01/10/00	01/10/00	Limit
Benzo(a)anthracene	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	0.021	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	0.020
Chrysene	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	0.020
Fluorene	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	0.020
Pyrene	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68512	AE68513	AE68514
Surrogate Percent Recovery			
P- Terphenyl-d14	122	86	79

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO. 10181
Tel. (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14139

PROJECT: PO#21011
SITE: ----------
DATE SAMPLED: 01-05-00
DATE SUBMITTED: 01-07-00
DATE ANALYSIS COMPLETED: 01-10-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	469	94
Acenaphthylene	1,000	938	94
Anthracene	50	49	98
Benzo(a)anthracene	50	45.6	91
Benzo(a)pyrene	50	42.3	85
Benzo(b)fluoranthene	100	93.1	93
Benzo(g,h,i)perylene	100	97	97
Benzo (k) fluoranthene	50	43.5	87
Chrysene	50	43.2	86
Dibenzo (a, h) anthracene	100	102	102
Fluoranthene	100	92	92
Fluorene	100	90	90
Indeno (1,2,3-cd) pyrene	50	46.6	93
Naphthalene	500	460	92
Phenanthrene	50	47.7	95
Pyrene	50	43.8	88

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (If not, repeat)
2- All Percent Relative Standard Deviations to be ≤ 30% (If not, repeat)
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05. If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

FAX

Date 01/24/00

Number of pages including cover sheet 4

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MOLE #E8000-06-13

Phone:

Fax Phone:

FROM: Rachelle 801

Company: Advanced Technology Laboratories

1510 E. 33rd St.,

Signal Hill, CA 90807

Phone: 562-989-4045

Fax Phone: 562-989-4040

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

8021 RESULT + (8010 + 8020) QA/QC

THANKS

Sid

B1-5-8

40784

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

Client: GEOCON -Pleasanton
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/2000
Matrix: Soil
Units: ug/Kg

EPA Method 8021

Lab No:		Method Blank		40784-003		40784-004		40784-005		40784-006	
Client Sample I.D.:		--		B1-0		B1-3.5		B1-7.5		B1-11.5	
Date Sampled:		--		01/05/2000		01/05/2000		01/05/2000		01/05/2000	
Date Analyzed:		01/13/2000		01/13/2000		01/13/2000		01/13/2000		01/13/2000	
QC Batch No:		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1		000112GC12A1	
Analyst Initials:		MJJ		MJJ		MJJ		MJJ		MJJ	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	1.0	ND	1.0	ND	1.0	ND	1.0	1.3	1.0	ND	1.0
trans-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Chloroethylvinyl ether	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

SURROGATE	%R	%R	%R	%R	%R
BFB (PID)	88	31*	15*	24*	62
BFB (ELCD	109	47*	24*	40*	108

* = Surrogate recovery outside limit due to sample matrix effects. Analysis confirmed by duplicate run.
MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date 01/24/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

The cover letter is an integral part of this analytical report.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8010

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0			Spike Amt. = added amt X DF		
ANALYTE	MDL	Result (ug/L)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt.
Vinyl chloride	1.0	ND	1.0	67	60	140	83	60	140	21	30	20
Methylene chloride	1.0	ND	1.0	70	60	140	75	60	140	6.8	30	20
Trichloroethene	1.0	ND	1.0	84	60	140	94	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	78	60	140	86	60	140	9.8	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	77	60	140	80	60	140	4.5	30	20
SURROGATE		%R		%R			%R					
BFB		70		79			79					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud **Date:** 01/24/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_adcb.16_1010.run
MS Datafile: c:\star\000110\12jan_adcb.16_1011.run
MSD Datafile: c:\star\000110\12jan_adcb.16_1012.run

The cover letter is an integral part of this analytical report

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC SUMMARY REPORT

QC BATCH #: 000112GC12A1
MATRIX: Soil

EPA Method 8020

Lab No:		Non-Spiked Sample		Matrix Spike			Spike Duplicate					
Client Sample I.D.:		40684-003		40684-003MS			40684-003MSD					
Date Analyzed:		01/12/2000		01/12/2000			01/12/2000					
Time Analyzed:		10:20		10:51			11:22					
Analyst Initials:		MJJ		MJJ			MJJ					
Dilution Factor:		1.0		1.0			1.0					
ANALYTE	MDL (ug/Kg	Result (ug/Kg)	RL	Result (%R)	Criteria		Result (%R)	Criteria		RPD (%)	Criteria	Spike Amt
Benzene	1.0	ND	1.0	74	60	140	81	60	140	9.7	30	20
Toluene	1.0	ND	1.0	74	60	140	82	60	140	11	30	20
Chlorobenzene	1.0	ND	1.0	74	60	140	82	60	140	10	30	20
1,4-Dichlorobenzene	1.0	ND	1.0	61	60	140	65	60	140	6.9	30	20
SURROGATE		%R		%R			%R					
BFB		66		77			83					

MDL = Method Detection Limit
ND = Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By: C. Persaud Date: 01/24/00
Compton Persaud
Department Supervisor

Non-Spike Datafile: c:\star\000110\12jan_3800.44_1010.run
MS Datafile: c:\star\000110\12jan_3800.44_1011.run
MSD Datafile: c:\star\000110\12jan_3800.44_1012.run

Non-Spike Method file: C:\Star\methods\GC000112.mth
MS Method File: C:\Star\methods\GC000112.mth
MSD Method File: C:\Star\methods\GC000112.mth

The cover letter is an integral part of this analytical report

TRANSMISSION VERIFICATION REPORT

TIME : 01/26/2000 09:02

DATE,TIME	01/26 09:00
FAX NO./NAME	TOLL BRIDGE ENV
DURATION	00:02:27
PAGE(S)	04
RESULT	OK
MODE	STANDARD

FAX

Date 01/10

Number of pages including cover sheet 4

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MOLE

Phone:

Fax Phone:

FROM: [illegible] (BA)

Company: Advanced Technology Laboratories
1510 E. 33rd St.
Signal Hill, CA 90807
Phone: 562-989-4045
Fax Phone: 562-989-4040

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

(METALS) RESULTS

THANKS

B1 Metals Soil

40784

This message is intended only for the use of the individual or entity to whom it is addressed and may be confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

Client: Geocon Environmental
Attn: Ross White

Client's Project: Oakland Mole, #E8000-06-13
Date Received: 01/06/00
Matrix: Soil
Units: mg/kg
Digestion Method: EPA 3050

EPA 6010 (CCR Metals)

Lab No.:		40784-003	40784-004	40784-005	40784-006	40784-006Dup			
Client Sample ID:		B1-0	B1-3.5	B1-7.5	B1-11.5	B1-11.5			
Date Sampled:		01/05/00	01/05/00	01/05/00	01/05/00	01/05/00			
Date Digested:		01/10/00	01/10/00	01/10/00	01/10/00	01/10/00			
Date Analyzed:		01/10/00	01/10/00	01/10/00	01/10/00	01/10/00			
Analyst Initials:		DJ/HP	DJ/HP	DJ/HP	DJ/HP	DJ/HP			
Dilution Factor:		1	1	1	1	1			
ANALYTE*	DLR	RESULTS							
Antimony	0.25	0.44	ND	ND	ND	ND			
Arsenic	0.25	1.8	0.930	1.4	1.1	1.2			
Barium	0.05	79	25	93	20	20			
Beryllium	0.05	ND	ND	ND	ND	ND			
Cadmium	0.15	ND	ND	ND	ND	ND			
Chromium	0.15	7.2	3.5	4.4	8.0	8.0			
Cobalt	0.15	7.3	1.5	5.3	2.8	2.7			
Copper	0.15	15	4.4	21	14	14			
Lead	0.25	139	10	57	17	17			
Mercury **	0.10	ND	ND	ND	ND	ND			
Molybdenum	0.25	1.1	0.53	0.50	0.29	0.30			
Nickel	0.15	12	7.4	13	15	15			
Selenium	0.25	0.88	0.69	0.76	0.81	0.60			
Silver	0.05	ND	ND	ND	ND	ND			
Thallium	0.25	0.74	ND	ND	ND	ND			
Vanadium	0.15	16	3.0	4.5	6.1	6.0			
Zinc	0.50	28	7.7	27	17	16			

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor

* = Only listed constituents designated with TTLC and STLC under CCR Title 22
** = Analysis by EPA Method 7471, digested and analyzed on 01/07/00

Reviewed/Approved By: _____ Date: 1/10/00
Cheryl de los Reyes
Technical Operations Manager

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4010

Spike Recovery and RPD Summary Report

Method: EPA 6010

Analyst: DJ/SER

Data File: ICAP000110-2

QA File: 6010-2

Data Analyzed: 1/10/00

Data Digested: 1/10/00

Sample ID: 40784-005

Matrix: Soil/Sludge/Liquid

QC Batch NO: ICAP0001105-2

Analyte	UNITS	LCS Conc	LCS Res	% Rec	METH BLANK	SPL CONC	SPL DUP	% Dev	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
Antimony	mg/kg	1.0	0.91	91	ND	ND	ND	0	62.5	44	47	70	75	32-110	7	23	0.25
Arsenic	mg/kg	1.0	0.89	89	ND	1.1	1.2	9	62.5	52	55	81	86	68-105	6	7	0.25
Barium	mg/kg	1.0	0.95	95	ND	20	20	0	62.5	74	77	88	91	22-170	4	30	0.05
Beryllium	mg/kg	1.0	0.89	89	ND	ND	ND	0	62.5	51	54	82	86	47-134	6	7	0.05
Cadmium	mg/kg	1.0	0.95	95	ND	ND	ND	0	62.5	52	55	83	88	65-106	6	7	0.15
Chromium	mg/kg	1.0	0.87	87	ND	8.0	8.0	0	62.5	60	63	83	88	61-128	5	10	0.15
Cobalt	mg/kg	1.0	0.84	84	ND	2.8	2.7	4	62.5	53	56	80	85	68-112	6	7	0.15
Copper	mg/kg	1.0	0.97	97	ND	14	14	0	62.5	61	65	75	82	60-133	6	18	0.15
Lead	mg/kg	1.0	0.91	91	ND	17	17	0	62.5	68	73	82	90	68-106	7	10	0.25
Molybdenum	mg/kg	1.0	0.88	88	ND	0.29	0.30	3	62.5	51	54	81	86	67-107	6	14	0.25
Nickel	mg/kg	1.0	0.93	93	ND	15	15	0	62.5	68	72	85	91	29-155	6	24	0.15
Selenium	mg/kg	1.0	0.86	86	ND	0.81	0.60	30	62.5	49	51	77	80	51-114	4	13	0.25
Silver	mg/kg	1.0	0.91	91	ND	ND	ND	0	62.5	51	54	82	86	45-111	6	14	0.05
Thallium	mg/kg	1.0	0.92	92	ND	ND	ND	0	62.5	53	56	85	90	60-111	6	6	0.25
Vanadium	mg/kg	1.0	0.88	88	ND	6.1	6.0	2	62.5	59	62	85	89	71-116	5	12	0.15
Zinc	mg/kg	1.0	0.95	95	ND	17	16	6	62.5	66	70	78	85	47-128	6	30	0.50

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/10/00

Advanced Technology Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Spike Recovery and RPD Summary Report

Method: EPA 7471A
Analyst: DJ/SER
Data File: 00107S-1
QA File: 0007-1

ANALYTE MERCURY
Date Digested: 1/7/00
Date Analyzed: 1/7/00
Matrix: SOIL/SLUDGE
QC Batch No: HG000107S-1

SAMPLE ID	UNITS	LCS Conc	LCS Rec	% Rec	METH BLK	SPL C	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	% REC Limit	RPD	RPD Limit	MDL
40768-023	mg/kg	0.025	0.026	104	ND	ND	0.83	0.61	0.63	73	76	50-147	3	30	0.16
40784-006	mg/kg	0.025	0.025	100	ND	ND	0.83	0.62	0.64	75	77	50-147	3	30	0.10

Approved by: _____
Cheryl De Los Reyes
Technical Operations Manager

Date: 1/10/00

Advanced Technology Laboratories

FAX

Date 01/21/00

Number of pages including cover sheet 5

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MOLE
E2000-06-13

Phone:

Fax Phone:

FROM: Rachelle (ea)

Company: Advanced Technology Laboratories
1510 E. 33rd St.,
Signal Hill, CA 90807

Phone: 562-989-4045

Fax Phone: 562-989-4043

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

RESULTS

THANKS

BI EDB

40784

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4043

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Mr. Compton Persaud

Date of Report:	1/20/00
Sampling Date:	1/5/00
Date Sample Received:	1/6/00
Date Extracted:	1/14/00
Date Analyzed:	January 14, 2000
Analyzed By:	EA
Sample Type:	Water
Log Number:	00-0081 and 00-0082

ANALYSES RESULTS

		Analysis:	EDB
		Prep/Analysis Method:	EPA 8011
		Units:	ug/l
Log #:	Sample ID:		
00-0081	40784-001/B1-WS		<0.02
00-0082	40784-002/B1-WD		<0.02

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date: 1/20/00

Attn: Mr. Compton Persaud

Log #: 00-0081 and 00-0082

Date Extracted: 1/14/00

Date Analyzed: January 14, 2000

Analysis	Prep/Analysis Method	LCS % Recovery
EDB	EPA 8011	87

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- LCS - Laboratory Control Sample. Reported as % Recovery of an Independent Standard carried through all sample preparation procedures to verify method performance. Acceptable range is 80 % -120 % recovery.
- Spike- Environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as
- % Recovery. Acceptable range for "Normal Matrix Sample" is 75 % - 125% recovery.
- % Recovery = (Spike Sample Result - Sample Result) *100/Spike Concentration.
- RPD (Relative % Difference) = (Spiked Sample - Spike Duplicate) * 100 / Average Result.

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-1040

Advanced Technology Laboratories

Spike Recovery and RPD Summary Report

Method: EPA 335.2/SM 4500-CN B,C
Analyst: NS
Data File: 0011-1W

Date: 01/11/00
Sample ID: 40786-001
Matrix: WATER
QC Batch: CN000111W-1

ANALYTE	UNITS	LCS Conc	LCS Res	% Rec	METH BLK	SPL CONC	SPK ADD	MS RSLT	MSD RSLT	%MS REC	%MSD REC	REC Lmt	RPD	RPD Lmt	MDL
CYANIDE	mg/L	0.40	0.40	100	ND	ND	0.40	0.39	0.39	98	98	80-120	0	20	0.05

Approved by: Cheryl

Cheryl De Los Reyes
Technical Operations Manager

Date: 1/19/00

Spike Recovery and RPD Summary Report - Soil (mg/kg)

Method : C:\HPCHEM\2\METHODS\LD000110.M (Chemstation Integrator)
Title : motor oil
Last Update : Wed Jan 19 12:16:36 2000
Response via : Initial Calibration

Non-Spiked Sample: L0112061.D

	Spike Sample	Spike Duplicate Sample
File ID :	L0112061.D	L0112062.D
Sample :	40784-005,L008015DS007MS MO	40784-005,L008015DS007MSD MO
Acq Time:	13 Jan 2000 12:38 pm	13 Jan 2000 1:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
MOTOR OIL	56400	1000	41800	46100	0#	0#	0	23	42-142

- MS/MSD recoveries are below QC requirements due to matrix interference. However, LCS is within QC limits.

QCBATCH#L008015DS007

Revicwed/Approved by: C. Persaud Date: 01/21/00
Compton Persaud
Department Supervisor

Advanced Technology Laboratories 1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

FAX

Date: 02/04/00

Number of pages including cover sheet: 5

TO: ROSS W

Company: GEOCON

Subject: OAKLAND MOLE

Phone:

Fax Phone:

FROM: Rachelle @

Company: Advanced Technology Laboratories

1510 E. 33rd St.,

Signal Hill, CA 90807

Phone: 562-989-4045

Fax Phone: 562-989-4040

cc:

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Message:

PAH'S RESULTS

THANKS

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address above. Thank you.

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud

Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68510	
Sample No:	40784-003	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	
Date Analyzed:	01/10/00	
		Detection Limit
Benzo(a)anthracene	0.226	0.020
Benzo(a)pyrene	0.163	0.020
Benzo(b)fluoranthene	0.202	0.020
Benzo(k)fluoranthene	0.085	0.020
Chrysene	0.230	0.020
Dibenzo(a,h)anthracene	0.083	0.020
Indeno(1,2,3-cd)pyrene	0.097	0.020
Acenaphthene	0.426	0.020
Acenaphthylene	ND	0.020
Anthracene	0.178	0.020
Benzo(ghi)perylene	0.083	0.020
Fluoranthene	1.04	0.10
Fluorene	0.298	0.020
Naphthalene	0.346	0.020
Phenanthrene	1.86	0.10
Pyrene	0.704	0.10

QUALITY CONTROL SUMMARY

Lab ID: AE68510

Surrogate Percent Recovery
P- Terphenyl-d14 78

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Porsaud

Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68511	
Sample No:	40784-004	
Date Sampled:	01/05/00	
Date Extracted:	01/10/00	
Date Analyzed:	01/10/00	
		Detection Limit
Benzo(a)anthracene	ND	0.040
Benzo(a)pyrene	ND	0.040
Benzo(b)fluoranthene	ND	0.040
Benzo(k)fluoranthene	ND	0.040
Chrysene	ND	0.040
Dibenzo(a,h)anthracene	ND	0.040
Indeno(1,2,3-cd)pyrene	0.049	0.040
Acenaphthene	ND	0.040
Acenaphthylene	ND	0.040
Anthracene	ND	0.040
Benzo(ghi)perylene	ND	0.040
Fluoranthene	ND	0.040
Fluorene	ND	0.040
Naphthalene	ND	0.040
Phenanthrene	ND	0.040
Pyrene	ND	0.040

QUALITY CONTROL SUMMARY

Lab ID: AE68511

Surrogate Percent Recovery
P- Terphenyl-d14 26

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

Comment to Sample(s)
AE68511: Low surrogate recovery due to matrix interference.

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

AETL Job No: 14139
Project ID: PO#21011

Report To: (ATL)
Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

Attn: Compton Persaud

Phone: 562/989-4045

Matrix: Soil
Method: (8310).
Polynuclear Aromatic Hydrocarbons
Units: mg/Kg

Lab ID:	AE68512	AE68513	AE68514	
Sample No:	40784-005	40784-006	METHOD BLANK	
Date Sampled:	01/05/00	01/05/00	01/05/00	
Date Extracted:	01/10/00	01/10/00	01/10/00	
Date Analyzed:	01/10/00	01/10/00	01/10/00	Detection Limit
Benzo(a)anthracene	ND	ND	ND	0.020
Benzo(a)pyrene	ND	ND	ND	0.020
Benzo(b)fluoranthene	ND	0.021	ND	0.020
Benzo(k)fluoranthene	ND	ND	ND	0.020
Chrysene	ND	ND	ND	0.020
Dibenzo(a,h)anthracene	ND	ND	ND	0.020
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.020
Acenaphthene	ND	ND	ND	0.020
Acenaphthylene	ND	ND	ND	0.020
Anthracene	ND	ND	ND	0.020
Benzo(ghi)perylene	ND	ND	ND	0.020
Fluoranthene	ND	ND	ND	0.020
Fluorene	ND	ND	ND	0.020
Naphthalene	ND	ND	ND	0.020
Phenanthrene	ND	ND	ND	0.020
Pyrene	ND	ND	ND	0.020

QUALITY CONTROL SUMMARY

Lab ID:	AE68512	AE68513	AE68514
Surrogate Percent Recovery			
P- Terphenyl-d14	122	86	79

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzo(a)anthracene	91	88	3.4
Benzo(a)pyrene	83	83	<1
Naphthalene	91	91	<1

ND - Not Detected at The Detection Limit

American Environmental Testing Laboratory Inc.
2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

SUMMARY OF QA/QC

CLIENT NAME: Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807

AETL JOB NO: 14139

PROJECT: PO#21011
SITE: ----------
DATE SAMPLED: 01-05-00
DATE SUBMITTED: 01-07-00
DATE ANALYSIS COMPLETED: 01-10-00
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil

EPA Method 8310 (LCS)

Analyte	Amount Injected µg/Kg	Amount Recovered µg/Kg	%Recovery
Acenaphthene	500	469	94
Acenaphthylene	1,000	938	94
Anthracene	50	49	98
Benzo(a)anthracene	50	45.6	91
Benzo(a)pyrene	50	42.3	85
Benzo(b)fluoranthene	100	93.1	93
Benzo(g,h,i)perylene	100	97	97
Benzo (k) fluoranthene	50	43.5	87
Chrysene	50	43.2	86
Dibenzo (a, h) anthracene	100	102	102
Fluoranthene	100	92	92
Fluorene	100	90	90
Indeno (1,2,3-cd) pyrene	50	46.6	93
Naphthalene	500	460	92
Phenanthrene	50	47.7	95
Pyrene	50	43.8	88

Initial Calibration (5 points) is performed once every six months or with any changes in instrumentation or analyst. Acceptance criterion are:
1- All average Relative Response Factors (RRF) for target compounds to be ≥0.05 (if not, repeat).
2- All Percent Relative Standard Deviations to be ≤ 30% (if not, repeat).
Continuing Calibration (1 mid-point) is performed once every day at the start of analyses. Acceptance criterion are:
1- Absence of any major shift in any of the retention times of the target compounds. If not, repeat and/or repeat 5 points calibration.
2- RRF for target compounds to be ≥0.05 . If not, repeat and/or repeat 5 points calibration.
3- Percent Difference between Initial Calibration average RRF and Continuing Calibration RRF for more than 80 % of target compounds to be ≤25%. If not, repeat and/or repeat 5 points calibration.

Acceptable LCS Percent Recovery Limits 80-120 %
Acceptable MS & MSD Percent Recovery Limits 80-120 %
Acceptable % RPD Limit < 15

Cyrus Razmara Ph.D.
Laboratory Director

February 16, 2000

ELAP No.: 1838

Geocon Environmental
5673 W. Las Positas Blvd, Ste 205
Pleasanton, CA 94588

ATTN: Richard Day

Client's Project: #E8000-06-13
Lab No.: 41515-001/003

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Client: Geocon Environmental
Attn: Richard Day

Client's Project: #E8000-06-13

Date Received: 12/28, 30/99
Date Sampled: 12/27, 29/99

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix, Units	MDL	DLR	Analyst
41515-001	B8-0	EPA 9045 (pH)	02/08/00	5.9	Soil, pH units	---	---	HLP
41515-002	B2-3.5	EPA 9045 (pH)	02/08/00	7.2	Soil, pH units	---	---	HLP
41515-003	B9-0	EPA 9045 (pH)	02/08/00	7.1	Soil, pH units	---	---	HLP

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: _____ Date: 2/16/00
Cheryl de los Reyes
Technical Operations Manager

FAX

Date	*February 4, 2000*
Number of pages including cover sheet	*1*

TO:	***Compton*** *ATL*
Phone	*562.989.4045*
Fax Phone	*562.989.4040*

FROM:	***Richard Day, RG, CEG, CHG*** *Geocon Environmental Consultants, Inc.* *5673 W. Las Positas Boulevard* *Suite 205* *Pleasanton, California 94588*
Phone	*925.469.9750*
Mobile Phone	*925.872.5860*
Fax Phone	*925.469.9749*

CC:

REMARKS: ☐ *Urgent* ☒ *For your review* ☐ *Reply ASAP* ☐ *Please Comment*

Geocon Project No. E8000-06-13

Please analyze for pH.

40684-001 (B8-0)

40633-026 (B2-3.5)

40633-005 (B9-0)

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: D Date: 2-7 Time: 10:20

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☑

Client: Geocon
Attn: Richard Day
Address: 5673 W. Las Positas Blvd, Suite 205
City Pleasanton State CA Zip Code 94588
TEL: (925) 469-9750
FAX: (925) 469-9749

Project Name:
Project #: E8000-06-13
Sampler: (Printed Name) Diane Dalman (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
			Diane Dalman	12/28, 12/30/99	
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/GBTEX (COMBINATION); 8015M TPH/D (Diesel-GC); pH

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER; TAT

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	pH	SOLID • SOIL • SLUDGE	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	41515-001	40684-001/ B8-0	12/29/99		X	X				
	002	40633-0026/ B2-3.5	12/27/99		↓	↓				
	003	↓ 005/ B9-0	↓							

• TAT starts 8 a.m. following day if samples rec[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

July 02, 2001

Matt Hanko
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051539

Attention: Matt Hanko

Enclosed are the results for sample(s) received on June 08, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

Print Date: *02-Jul-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	051539	**Units:**	mg/L
Project:	Oakland Mole - E8000-06-13	**Analyst:**	NS

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
051539-002A	SS1-0.3	Solid/ STLC Extract	6/7/01	4762	13	0.15		1	6/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Method Blank

Sample ID **MB-4674** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**
mblk SeqNo: **151342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4674ASTLC** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**
mblk SeqNo: **151343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Sample ID **MB-4674B STLC** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**
mblk SeqNo: **151355**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Sample ID **MB-4762** Batch ID: **4762** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4762STLC** Batch ID: **4762** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154456**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT

Sample Duplicate

Sample ID **051539-012ADU** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**

DUP SeqNo: **151354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	36	0.45	0	0	0	0	0	45	21	30	

Sample ID **051539-031ADU** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**

DUP SeqNo: **151366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.45	0.15	0	0	0	0	0	0.54	18	30	

Sample ID **051539-002ADU** Batch ID: **4762** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**

DUP SeqNo: **154460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	0.30	0	0	0	0	0	13	18	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: (a

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **051539-031AMS** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**
MS SeqNo: **151367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	0.15	5	0.54	93	80	120	0			

Sample ID **051539-012AMS** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**
MS SeqNo: **151369**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	68	0.75	20	45	117	80	120	0			

Sample ID **051539-002AMS** Batch ID: **4762** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
MS SeqNo: **154462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24	0.30	10	13	109	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-4674** Batch ID: **4674** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/24/01** Prep Date: **6/21/01**

lcs SeqNo: **151370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.3	0.15	10	0	93	80	120	0			

Sample ID **LCS-4762** Batch ID: **4762** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**

lcs SeqNo: **154465**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10	0.15	10	0	103	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Diane

From: Geocon - East Bay Office (Livermore) [geoconeb@jps.net]
Sent: Tuesday, June 26, 2001 4:17 PM
To: Diane (ATL)
Subject: More wet tests for Oakland Mole

Diane,

Attached is a list of samples that we need wet tests for.
If you have any questions, please feel free to call.

Mark

Lab ID	Sample ID	Depth	Constituents	Total (mg/kg)
Additional wet testing 26 June 2001				
51656-001A	E29C	0	LEAD	94
51656-002A	E29L	0	LEAD	120
51656-005A	E31L	0	LEAD	99
51656-006A	E31C	0	LEAD	68
51656-009A	E33L	0	LEAD	68
51656-010A	E33C	0	LEAD	280
51656-013A	E35L	0	LEAD	70
51656-018A	E37C	0	LEAD	68
51656-022A	E39C	0	LEAD	59
51656-023A	MD10	0	LEAD	190
51656-024A	MD10	0.3	LEAD	150
51656-027A	MD12	0	LEAD	160
51656-028A	MD12	0.3	LEAD	180
51656-031A	MD14	0	LEAD	71
51656-032A	MD14	0.3	LEAD	70
51656-033A	MD14	0.6	LEAD	130
51656-003A	E30C	0	LEAD	160
51656-004A	E30L	0	LEAD	180
51656-008A	E32L	0	LEAD	130
51656-011A	E34L	0	LEAD	100
51656-012A	E34C	0	LEAD	170
51656-015A	E36L	0	LEAD	67
51656-016A	E36C	0	LEAD	74
51656-019A	E38L	0	LEAD	120
51656-020A	E38C	0	LEAD	66
51656-025A	MD11	0	LEAD	200
51656-026A	MD11	0.3	LEAD	180
51656-029A	MD13	0	LEAD	130
51656-030A	MD13	0.3	LEAD	84
051539-002A	SS1	0.3	Lead	160

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~ Plant
Attn: Matt Hanko Livermore
Address: ~~11375 Sunrise Park Drive, Suite 200~~ Pleasanton
City ~~Rancho Cordova~~ Livermore State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	6/7	1700	Fed-Ex [signature]	6/7	1700
[signature]			[signature]	6/8	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
Signature [signature]

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: All metals and lead Analysis are 48hr TAT - Rest are standard

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS) VOC's	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG (COMBINATION)	8015M TPHD (Diesel-GC)	TPHmo 8015	PAH EPA 8100	Pesticides EPA 8081	Total lead (6010)	PCBs EPA 8082	Title 22 Metals EPA 6010	SOIL • SOIL SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	51539-001	SS1-0	6/7	1126										X			X								1	bug		
	2	SS1-0.3		1127										X											1	bug		
	3	SS1-0.9		1129										X											1	bug		
	4	SS2-0		1146		X			X	X	X	X	X		X	X									1	TMC		
	5	SS2-0.3		1147		X			X	X	X	X	X		X	X									1	TMC		
	6	SS2-0.9		1149		X			X	X	X	X	X		X	X									1	TMC		
	7	UT1-0		1155										X											1	bug		
	8	UT1-0.3		1156										X											1	bug		
	9	UT1-0.9		1158										X											1	bug		
	10	UT1-1.5		1200																					1	bug		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ☐

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~
Attn: Matt Anko Livermore
Address: ~~11375 Sunrise Park Drive~~, Suite 100 2386 Research Dr
City ~~Rancho Cordova~~ Livermore State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole Project #: E8000-06-13 Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 6/7 Time: 1700 Received by: (Signature and Printed Name) [signature] Fed Ex Date: 6/7 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) [signature] Date: 6/8 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
[signature] Signature

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested — CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPH/MO	PAH	Title 22 Metals (6010)	Total Lead (6010)	SOLID (SOIL) SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	11	VT2-0	6/7	1216	X					X	X	X	X		X								1	T	MC	
	12	VT2-0.3		1217	X	X			X	X	X	X	X										1	T	MC	
	13	VT2-0.9		1219	X	X			X	X	X	X	X										1	T	MC	
	~~14~~	~~VT2-1.5~~		~~1224~~																			~~1~~	~~T~~	~~MC~~	no sample
	14	VT3-0		1226										X									1	bag		
	15	VT3-0.3		1227										X									1	bag		
	16	VT3-0.9		1229										X									1	bag		
	17	VT3-1.5		1231										X									1	bag		
	18	VT4-0		1241	X				X	X	X	X	X										1	T	MC	
	19	VT4-0.3		1242	X	X			X	X	X	X	X										1	T	MC	

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=P[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=N[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with rep[illegible] yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~ Livermore
Attn: Matt Hanko
Address: ~~14375 Sunrise Park Drive, Suite 100~~ 2356 Research Dr
City ~~Rancho Cordova~~ Livermore State CA Zip Code 95742
TEL.: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) _____ Date: 6/7 Time: 1200 Received by: (Signature and Printed Name) Fed ex Date: 6/7 Time: 1200
Relinquished by: (Signature and Printed Name) _____ Date: 6/7 Time: Received by: (Signature and Printed Name) _____ Date: 6/8 Time:
Relinquished by: (Signature and Printed Name) _____ Date: Time: Received by: (Signature and Printed Name) _____ Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
Signature

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: All lead & metals analysis are 48hr TAT

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs) · 8260 (Volatiles-GC/MS) · 625 / 8270 (BNA-GC/MS) · Metals: Total (CAC-6010 / 7000) · 8015M TPH/BTEX (COMBINATION) · 8015M TPH/P (Diesel-GC) · TPH as PHH 8100 · Total lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) · SLUDGE · OIL • SOLVENT • LIQUID · WATER • WASTEWATER · DRINKING WATER · AIR · WIPE • FILTER · OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCBs)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals: Total (CAC-6010 / 7000)	8015M TPH/BTEX (COMBINATION)	8015M TPH/P (Diesel-GC)	TPH as PHH 8100	Total lead (6010)	SOLID (SOIL)	SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	20	VT4 - 0.9	6/7	1244	X			X	X	X	X	X	X								E/48hr	1	T M C		lead metals 48hr
		~~VT4 - 1.5~~		1246																		1	T M C		no sample
	21	VT5 - 0		1407								X									48hr	1	bag		
	22	0.3		1408								X										1	bag		
	23	0.9		1410								X										1	bag		
	24	VT6 - 0		1424	X			X		X	X										E/48hr	1	T M C		lead metals 48hr
	25	VT6 0.3		1425	X	X		X	X	X	X	X										1	T M C		
	26	VT7 - 0		1430								X									48hr	1	bag		
	27	VT7 - 0.3		1432								X										1	bag		
	28	VT13 - 0		1442								X										1	bag		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Pg ___ of 4

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~
Attn: Matt Hanko livermore
Address: ~~11375 Sunrise Park Drive, Suite 100~~ 2386 Research Dr
City Rancho Cordova State CA Zip Code 95742
TEL: (~~916~~ 925) ~~852-9118~~ 371 5900
FAX: (916) 852-9132

Project Name: OAKLAND MOLE Project #: 68000-06-13 Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	6/	1700	Fed-Ex	6/7	1700
[signature]			Am	6/8	

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills Date: 6/7/01
Print Name
Signature [signature]

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS) VOCs	625/8270 (BNA-GC/MS)	8015M TPH/GC/BTEX (GC/MS/GC/ON)	8015M TPH/D (Diesel-GC) TPH/MO	418.1 (TPH-IR)	Metals-Total (CAC-6010/7000)	PAHs 8100	Total lead	SOLID SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	28	~~VT13-0.3~~ VT13-0.3	6/7	1445												X	X							48hr	1	bag		
	30	VT13-0.9		1448												X								48hr	1	bag		
	31	VT14-0		1454			X					X		X	X									E/48hr	1	T M C		metals lead 48hr
	32	VT14-0.3		1457			X		X		X	X		X	X										1	T M C		
	33	VT14-0.9		1500			X		X		X	X		X	X										1	T M C		
	34	VT14-1.5		1503			X		X		X	X		X	X										1	T M C		
	35	VT15-0		1506												X								48hr	1	bag		
	36	VT15 0.3		1507												X									1	bag		
	37	VT15 0.9		1512												X									1	bag		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with re[illegible] Yellow to folder, Pink to submitter.

For Wet Test

Sample ID	Depth	Constituents	Totals (mg/Kg)
AR2	0.3	Lead	280
AR2	0.9	Lead	140
AR4	0	Lead	330
AR4	0.3	Cadmium	16
AR4	0.3	Chromium	60
AR4	0.3	Copper	1700
DB2	0	Lead	360
DB2	0.9	Lead	380
DB4	0.3	Lead	66
DB4	0.9	Lead	63
E23AL	0	Lead	170
E23AR	0	Lead	300
E24C	0	Lead	160
E24L	0	Lead	120
E24R	0	Lead	110
E25AL	0	Lead	66
E25AR	0	Lead	100
E26C	0	Lead	57
E26L	0	Lead	62
E26R	0	Lead	70
E27AL	0	Lead	210
E27AR	0	Lead	84
E28R	0	Lead	260
ED2	0	Lead	67
ED2	0.3	Lead	50
ED4	0	Lead	96
ED4	0.3	Lead	54
ED4	0.6	Lead	72
MD01	0	Lead	130
MD01	0.3	Lead	120
MD03	0	Lead	70
MD03	0.3	Lead	110
MD03	0.9	Lead	120
MD05	0	Lead	66
MD07	0	Lead	230
MD07	0.3	Lead	320
MD07	0.6	Lead	150
MD09	0	Lead	130
MD09	0.3	Chromium	54
MD09	0.3	Lead	320
MD09	0.9	Lead	130
MD15	0	Lead	230
For Wet Test			
MD15	0.3	Lead	81
MD15	0.9	Arsenic	140
MD15	0.9	Lead	110
MD17	0	Lead	200
PL3	0	Lead	68
SS2	0	Lead	260
SS2	0.3	Lead	260
SS2	0.9	Lead	180
SS4	0	Chromium	460
SS4	0	Copper	2100
SS4	0	Nickel	820
SS4	0.3	Chromium	78
SS4	0.3	Copper	1800
SS4	0.9	Copper	250
UT02	0	Lead	130

UT02	0.3	Lead	210
UT02	0.9	Lead	400
UT04	0.3	Lead	180
UT04	0.9	Lead	160
UT06	0	Lead	110
UT06	0.3	Lead	420
UT14	0	Chromium	57
UT16	0	Chromium	62
UT16	0.3	Chromium	62
UT16	0.9	Lead	120
UT18	0	Lead	200
UT18	0.3	Lead	62
UT18	1.5	Lead	180
AR1	0	Lead	290
AR1	0.3	Lead	170
AR1	0.6	Lead	250
AR3	0.3	Lead	390
DB1	0	Lead	690
E23C	0	Lead	91
E23L	0	Lead	230
E23R	0	Lead	280
E24AL	0	Lead	78
E24AR	0	Lead	140
E25C	0	Lead	66
E25L	0	Lead	55
E25R	0	Lead	80
E26AL	0	Lead	51
E26AR	0	Lead	160
E27C	0	Lead	50
For Wet Test			
E27L	0	Lead	87
E27R	0	Lead	110
ED1	0	Lead	120
ED1	0.3	Lead	120
ED1	0.6	Lead	73
ED3	0	Lead	57
ED3	0.3	Lead	62
MD02	0	Lead	76
MD04	0	Lead	57
MD04	0.3	Lead	55
MD06	0	Lead	52
MD06	0.6	Lead	130
MD08	0	Lead	95
MD16	0	Lead	67
MD18	0	Lead	150
MD18	1	Lead	120
PL4	0.3	Lead	50
PL4	0.9	Lead	60
SS1	0	Lead	74
SS1	0.3	Lead	160
SS3	0	Lead	140
SS3	0.3	Lead	460
UT01	0	Lead	110
UT01	0.3	Lead	670
UT01	0.9	Lead	900
UT03	0	Lead	94
UT03	0.3	Lead	52
UT05	0.3	Lead	350
UT05	0.9	Lead	110
UT17	0	Lead	62

For TCLP:

AR4	0.3	Lead	3500
DB2	0.3	Lead	1500
SS4	0	Lead	6400
SS4	0.3	Lead	2400
SS4	0.9	Lead	1100
AR3	0	Lead	1700
DB1	0.3	Lead	1500

July 02, 2001

Mark Hasting
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051656

Attention: Mark Hasting

Enclosed are the results for sample(s) received on June 15, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Diane

From: Geocon - East Bay Office (Livermore) [geoconeb@jps.net]
Sent: Tuesday, June 26, 2001 4:17 PM
To: Diane (ATL)
Subject: More wet tests for Oakland Mole

Diane,

Attached is a list of samples that we need wet tests for.
If you have any questions, please feel free to call.

Mark

Lab ID	Sample ID	Depth	Constituents	Total (mg/kg)
Additional wet testing 26 June 2001				
51656-001A	E29C	0	LEAD	94
51656-002A	E29L	0	LEAD	120
51656-005A	E31L	0	LEAD	99
51656-006A	E31C	0	LEAD	68
51656-009A	E33L	0	LEAD	68
51656-010A	E33C	0	LEAD	280
51656-013A	E35L	0	LEAD	70
51656-018A	E37C	0	LEAD	68
51656-022A	E39C	0	LEAD	59
51656-023A	MD10	0	LEAD	190
51656-024A	MD10	0.3	LEAD	150
51656-027A	MD12	0	LEAD	160
51656-028A	MD12	0.3	LEAD	180
51656-031A	MD14	0	LEAD	71
51656-032A	MD14	0.3	LEAD	70
51656-033A	MD14	0.6	LEAD	130
51656-003A	E30C	0	LEAD	160
51656-004A	E30L	0	LEAD	180
51656-008A	E32L	0	LEAD	130
51656-011A	E34L	0	LEAD	100
51656-012A	E34C	0	LEAD	170
51656-015A	E36L	0	LEAD	67
51656-016A	E36C	0	LEAD	74
51656-019A	E38L	0	LEAD	120
51656-020A	E38C	0	LEAD	66
51656-025A	MD11	0	LEAD	200
51656-026A	MD11	0.3	LEAD	180
51656-029A	MD13	0	LEAD	130
51656-030A	MD13	0.3	LEAD	84
051539-002A	SS1	0.3	Lead	160

Advanced Technology Laboratories

Print Date: *02-Jul-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	051656	**Units:**	mg/L
Project:	Oakland Mole - E8000-06-13	**Analyst:**	NS

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
051656-001A	E29C-0	Solid/ STLC Extract	6/14/01	4758	13	0.15		1	6/29/01
051656-002A	E29L-0	Solid/ STLC Extract	6/14/01	4758	20	0.3		2	6/29/01
051656-003A	E30C-0	Solid/ STLC Extract	6/14/01	4758	29	0.45		3	6/29/01
051656-004A	E30L-0	Solid/ STLC Extract	6/14/01	4758	22	0.3		2	6/29/01
051656-005A	E31L-0	Solid/ STLC Extract	6/14/01	4758	11	0.15		1	6/29/01
051656-006A	E31C-0	Solid/ STLC Extract	6/14/01	4758	12	0.15		1	6/29/01
051656-008A	E32L-0	Solid/ STLC Extract	6/14/01	4758	16	0.3		2	6/29/01
051656-009A	E33L-0	Solid/ STLC Extract	6/14/01	4758	11	0.15		1	6/29/01
051656-010A	E33C-0	Solid/ STLC Extract	6/14/01	4758	51	0.6		4	6/29/01
051656-011A	E34L-0	Solid/ STLC Extract	6/14/01	4758	12	0.15		1	6/29/01
051656-012A	E34C-0	Solid/ STLC Extract	6/14/01	4758	12	0.15		1	6/29/01
051656-013A	E35L-0	Solid/ STLC Extract	6/14/01	4758	13	0.15		1	6/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *02-Jul-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	051656	**Units:**	mg/L
Project:	Oakland Mole - E8000-06-13	**Analyst:**	NS

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
051656-015A	E36L-0	Solid/ STLC Extract	6/14/01	4758	7.1	0.15		1	6/29/01
051656-016A	E36C-0	Solid/ STLC Extract	6/14/01	4758	7.0	0.15		1	6/29/01
051656-018A	E37C-0	Solid/ STLC Extract	6/14/01	4758	8.4	0.15		1	6/29/01
051656-019A	E38L-0	Solid/ STLC Extract	6/14/01	4758	8.9	0.15		1	6/29/01
051656-020A	E38C-0	Solid/ STLC Extract	6/14/01	4758	8.1	0.15		1	6/29/01
051656-022A	E39C-0	Solid/ STLC Extract	6/14/01	4758	8.7	0.15		1	6/29/01
051656-023A	MD10-0	Solid/ STLC Extract	6/14/01	4758	27	0.3		2	6/29/01
051656-024A	MD10-1	Solid/ STLC Extract	6/14/01	4759	16	0.3		2	6/29/01
051656-025A	MD11-0	Solid/ STLC Extract	6/14/01	4759	26	0.3		2	6/29/01
051656-026A	MD11-0.3	Solid/ STLC Extract	6/14/01	4759	19	0.3		2	6/29/01
051656-027A	MD12-0	Solid/ STLC Extract	6/14/01	4759	19	0.3		2	6/29/01
051656-028A	MD12-0.3	Solid/ STLC Extract	6/14/01	4759	39	0.6		4	6/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *02-Jul-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	051656	**Units:**	mg/L
Project:	Oakland Mole - E8000-06-13	**Analyst:**	NS

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
051656-029A	MD13-0	Solid/ STLC Extract	6/14/01	4759	13	0.15		1	6/29/01
051656-030A	MD13-1	Solid/ STLC Extract	6/14/01	4759	8.2	0.15		1	6/29/01
051656-031A	MD14-0	Solid/ STLC Extract	6/14/01	4759	11	0.15		1	6/29/01
051656-032A	MD14-1	Solid/ STLC Extract	6/14/01	4759	5.5	0.15		1	6/29/01
051656-033A	MD14-2	Solid/ STLC Extract	6/14/01	4759	5.0	0.15		1	6/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051656
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Method Blank

Sample ID **MB-4758** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4758A STLC** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Sample ID **MB-4758B STLC** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Sample ID **MB-4759** Batch ID: **4759** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4759STLC** Batch ID: **4759** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
mblk SeqNo: **154427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: (a)

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051656
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Duplicate

Sample ID **051656-010ADU** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
DUP SeqNo: **154405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55	0.60	0	0	0	0	0	51	8	30	

Sample ID **051656-023ADU** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
DUP SeqNo: **154418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25	0.30	0	0	0	0	0	27	8	30	

Sample ID **051656-033ADU** Batch ID: **4759** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
DUP SeqNo: **154438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11	0.15	0	0	0	0	0	5	76	30	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051656
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **051656-010AMS** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
MS SeqNo: **154406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	81	0.90	30	51	101	80	120	0			

Sample ID **051656-023AMS** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
MS SeqNo: **154419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42	0.45	15	27	100	80	120	0			

Sample ID **051656-033AMS** Batch ID: **4759** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**
MS SeqNo: **154439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.8	0.15	5	5	96	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: (B

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051656
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-4758** Batch ID: **4758** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**

lcs SeqNo: **154421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10	0.15	10	0	101	80	120	0			

Sample ID **LCS-4759** Batch ID: **4759** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **6/29/01** Prep Date: **6/27/01**

lcs SeqNo: **154441**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10	0.15	10	0	101	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

Diane

From: Geocon - East Bay Office (Livermore) [geoconeb@jps.net]
Sent: Tuesday, June 26, 2001 4:17 PM
To: Diane (ATL)
Subject: More wet tests for Oakland Mole

Diane,

Attached is a list of samples that we need wet tests for.
If you have any questions, please feel free to call.

Mark

Lab ID	Sample ID	Depth	Constituents	Total (mg/kg)
Additional wet testing 26 June 2001				
51656-001A	E29C	0	LEAD	94
51656-002A	E29L	0	LEAD	120
51656-005A	E31L	0	LEAD	99
51656-006A	E31C	0	LEAD	68
51656-009A	E33L	0	LEAD	68
51656-010A	E33C	0	LEAD	280
51656-013A	E35L	0	LEAD	70
51656-018A	E37C	0	LEAD	68
51656-022A	E39C	0	LEAD	59
51656-023A	MD10	0	LEAD	190
51656-024A	MD10	0.3	LEAD	150
51656-027A	MD12	0	LEAD	160
51656-028A	MD12	0.3	LEAD	180
51656-031A	MD14	0	LEAD	71
51656-032A	MD14	0.3	LEAD	70
51656-033A	MD14	0.6	LEAD	130
51656-003A	E30C	0	LEAD	160
51656-004A	E30L	0	LEAD	180
51656-008A	E32L	0	LEAD	130
51656-011A	E34L	0	LEAD	100
51656-012A	E34C	0	LEAD	170
51656-015A	E36L	0	LEAD	67
51656-016A	E36C	0	LEAD	74
51656-019A	E38L	0	LEAD	120
51656-020A	E38C	0	LEAD	66
51656-025A	MD11	0	LEAD	200
51656-026A	MD11	0.3	LEAD	180
51656-029A	MD13	0	LEAD	130
51656-030A	MD13	0.3	LEAD	84
051539-002A	SS1	0.3	Lead	160

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (East bay)
Attn: Mark Hasting
Address: 2356 Research Dr
City: Livermore State: CA Zip Code: 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) Date: 6/14 Time: 1700 Received by: (Signature and Printed Name) Fed-Ex Date: 6/14 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 6/15 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/14
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:
Lead & Metals Analysis are on 48hr TAT
Caltrans 43A0012

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides-PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAM 17/6010); 8015M TPHG (Stoddard-COMBINATION); 8015M TPHD (Diesel-GC); TPHD PAH (Blue); Total lead (Gold); VOCs 8260B; Title 22

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides-PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAM 17/6010)	8015M TPHG (Stoddard-COMBINATION)	8015M TPHD (Diesel-GC)	TPHD PAH (Blue)	Total lead (Gold)	SOLID (SOIL)	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	57656-001	E29C-Ø	6/14	915								X	X							48hr	1	long		
	2	E29L-Ø		917								X								48hr		long		
	3	E30C-Ø		919			X													48hr		long		
	4	E30L-Ø		921	X	X	X	X	X	X	X									E		T M	C	
	5	E31L-Ø		1015								X								48hr		long		
	6	E31C-Ø		1017								X								48hr		long		
	7	E32C-Ø		1020	X	X	X	X	X	X	X									E		T M	C	
	8	E32L-Ø		1022	X	X	X	X	X	X	X									E		T M	C	
	9	E33L-Ø		1030								X								48hr		long		
	10	E33C-Ø		1032								X								48hr		long		

• TAT starts 8 a.m. following day if samples r[illegible]ed after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=N[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with rep[illegible] Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (East Bay)
Attn: Mark Husting
Address: 2356 Research Dr
City: Livermore State: CA Zip Code: 94550
TEL: (925) 371-5900
FAX: ( ) 371-5915

Project Name: Oakland Molz
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) Date: 6/14 Time: 1200 Received by: (Signature and Printed Name) to Fed-Ex Date: 6/14 Time: 1200
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 6/15 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/14/01
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Other ☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC) / 8260 (Volatiles-GC/MS) / 8270 (BNA-GC/MS) / Metals-Total (CAC-8010 / 7000) / 8015M TPH(G)/BTEX (COMBINATION) / 8015M TPH(D)(Diesel-GC) / TPH-G 8015 / PAHs (8100) / Total lead (6010) / VOCs 8260B

CIRCLE APPROPRIATE MATRIX: SOLID • SLUDGE • OIL • SOLVENT • LIQUID • WATER • WASTEWATER • DRINKING WATER • AIR • WIPE • FILTER • OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample I.D.	Date	Time	8081 / 8082	8260	8270	Metals	8015M TPH(G)	8015M TPH(D)	TPH-G 8015	PAHs (8100)	Total lead (6010)	VOCs 8260B	SOLID	OIL	SLUDGE	SOLVENT	LIQUID	WATER	WASTEWATER	DRINKING WATER	AIR	WIPE	FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	011	E34L-ϕ	6/14	1050	X	X		X	X	X	X	X			X												E	1	T	MC	
	12	E34C-ϕ		1052				X																			48hr				
	13	E35L-ϕ		1055									X														L				
	14	E35C-ϕ		1057									X																		
	15	E36L-ϕ		1100	X	X		X	X	X	X	X															E				
	16	E36C-ϕ		1102	X	X		X	X	X	X	X															E				
	17	E37L-ϕ		1105									X														48hr				
	18	E37C-ϕ		1107									X														48hr				
	19	E38L-ϕ		1110	X	X		X	X	X	X	X															E				
	20	E38C-ϕ		1112				X																			48hr				

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (East Bay)
Attn: Mark Hasting
Address: _____ City _____ State _____ Zip Code _____
TEL: ( ) FAX: ( )

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) [signature] Date: 6/14 Time: 1700
Received by: (Signature and Printed Name) [signature] Date: 6/15 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills (Print Name) 6/14 (Date) [signature] (Signature)

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB/GC) 8/OC 8260B; 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010/7000); 8015M TPH/GASTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH/MO 8015; PAHs 8100; Total lead 6010

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ☐

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB/GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010/7000)	8015M TPH/GASTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPH/MO 8015	PAHs 8100	Total lead 6010	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	021	E39L-0	6/14	1020									X	X							48W	1	TMC		
	22	E39C-0		1122									X	X							48W	1	TMC		
	23	MD10-0		1135									X								48W		bag		
	24	MD10-1		1140									X								48W		bag		
	25	MD11-0		1145	X			X		X	X	X									E		TMC		
	26	MD11-0.3		1150	X	X		X	X	X	X	X									E		TMC		
	27	MD12-0		1240									X								48W		bag		
	28	MD12-0.3		1245									X								48W		bag		
		~~MD13-0~~		~~1255~~	X			X		X	X	X									E		TMC		
		~~MD13-0.3~~		~~1300~~	X	X		X	X	X	X	X									E		TMC		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pi[illegible] [illegible]=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=Na[illegible] T=$Na_2S_2O_3$

DISTRIBUTION: White with repo[illegible] [illegible]llow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (East bay)
Attn: Mark Hosting
Address:
City State Zip Code
TEL: (925) 371-5900
FAX: ( )

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) Date: 6/14 Time: 1700 Received by: (Signature and Printed Name) Fed-Ex Date: 6/14 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 6/15 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/14/01
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-5010/7000); 8015M TPH/BTEX (COMBINATION); 8015M TPH/MO (Diesel-GC); VOCs 8260B; TPH-D (8015); PHA (8100); Total Lead (6010); TVH

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-5010/7000)	8015M TPH/BTEX (COMBINATION)	8015M TPH/MO (Diesel-GC)	TPH-D (8015)	PHA (8100)	Total Lead (6010)	TVH	SOLID (SOIL) • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	29	MD13-0	6/14	1350	X	X	X	X	X	X	X				X							48hr	1	TP	C	
	30	MD13-1		1350	X	X	X	X	X	X	X				X							48hr	1	TP	C	
	31	MD14-0		1355	X	X	X	X	X	X	X		X		X								1	TP	C	
	32	MD14-1			X	X	X	X	X	X	X		X		X								1	TP	C	
	33	MD14-2			X	X	X	X	X	X	X		X		X								1	TP	C	

ND

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

July 26, 2001

Matt Hanko
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051658

Attention: Matt Hanko

Enclosed are the results for sample(s) received on June 15, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attention: Diane Galvan

Number of Pages 9
Date Received 06/18/2001
Date Reported 06/25/2001

Job Number	Order Date	Client
19135	06/18/2001	ATL

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Gary Morelli

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

Advanced Technology Laboratorie
3275 Walnut Street
Signal Hill, California 90807-
(562) 989-4045

SUB CHAIN-OF-CUSTODY RECORD

Subcontractor:

AETL
2834 North Naomi Street

Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840

Acct #:

QClevel: CT-TR1 19135

15-Jun-01

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 8310 EPA ~~8100~~					
051658-001A \ OC1-2	Soil	06/14/2001	TUBE	1			AE100255		
051658-002A \ OC1-S	Soil	06/14/2001	TUBE	1			AE100256		
051658-003A \ OC1-9	Soil	06/14/2001	TUBE	1			AE100257		
051658-005A \ OC2-0	Soil	06/14/2001	TUBE	1			AE100258		
051658-006A \ OC2-7	Soil	06/14/2001	TUBE	1			AE100259		
051658-007A \ OC3-0	Soil	06/14/2001	TUBE	1			AE100260		
051658-008A \ OC3-S	Soil	06/14/2001	TUBE	1			AE100261		
051658-009A \ OC3-7	Soil	06/14/2001	TUBE	1			AE100262		

Comments: Please use PO#: 21428. Please fax results by: 06-21-01. Return signed copy to FAX 562-989-4040.

		Date/Time			Date/Time
Relinquished by:	[illegible]	6/18/01	**Received by:**	[illegible]	6/18/01 13:15
Relinquished by:			**Received by:**		

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 2

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.							
Client Sample I.D.			Method Blank				
Date Sampled			06/14/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	ND				
Benzo(a)pyrene	0.010	0.020	ND				
Benzo(b)fluoranthene	0.010	0.020	ND				
Benzo(k)fluoranthene	0.010	0.020	ND				
Chrysene	0.010	0.020	ND				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND				
Acenaphthene	0.010	0.020	ND				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	ND				
Benzo(ghi)perylene	0.010	0.020	ND				
Fluoranthene	0.010	0.020	ND				
Fluorene	0.010	0.020	ND				
Naphthalene	0.010	0.020	ND				
Phenanthrene	0.010	0.020	ND				
Pyrene	0.010	0.020	ND				

Our Lab I.D.							
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		96				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 3

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100255				
Client Sample I.D.			051658-001A				
Date Sampled			06/14/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
nits			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	ND				
Benzo(b)fluoranthene	0.020	0.040	0.063				
Benzo(k)fluoranthene	0.020	0.040	ND				
Chrysene	0.020	0.040	0.077				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND				
Acenaphthene	0.020	0.040	ND				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(ghi)perylene	0.020	0.040	ND				
Fluoranthene	0.020	0.040	ND				
Fluorene	0.020	0.040	ND				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	0.104				
Pyrene	0.020	0.040	0.034J				

Our Lab I.D.			AE100255				
Surrogates	**Con.Limit**		**% Rec.**				
n-Terphenyl-D14	75-125		75				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: **4**

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100256	AE100257			
Client Sample I.D.			051658-002A	051658-003A			
Date Sampled			06/14/2001	06/14/2001			
Date Prepared			06/22/2001	06/22/2001			
Preparation Method			3550B	3550B			
Date Analyzed			06/24/2001	06/24/2001			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Benzo(a)anthracene	0.010	0.020	ND	ND			
Benzo(a)pyrene	0.010	0.020	ND	ND			
Benzo(b)fluoranthene	0.010	0.020	ND	ND			
Benzo(k)fluoranthene	0.010	0.020	ND	ND			
Chrysene	0.010	0.020	ND	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND			
Acenaphthene	0.010	0.020	ND	ND			
Acenaphthylene	0.010	0.020	ND	ND			
Anthracene	0.010	0.020	ND	ND			
Benzo(ghi)perylene	0.010	0.020	ND	ND			
Fluoranthene	0.010	0.020	ND	ND			
Fluorene	0.010	0.020	ND	ND			
Naphthalene	0.010	0.020	ND	ND			
Phenanthrene	0.010	0.020	ND	ND			
Pyrene	0.010	0.020	ND	ND			

Our Lab I.D.			AE100256	AE100257			
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**			
p-Terphenyl-D14	75-125		106	104			

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 5

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100258				
Client Sample I.D.			051658-005A				
Date Sampled			06/14/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	0.052				
Benzo(b)fluoranthene	0.020	0.040	0.074				
Benzo(k)fluoranthene	0.020	0.040	ND				
Chrysene	0.020	0.040	0.110				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	0.026J				
Acenaphthene	0.020	0.040	ND				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(ghi)perylene	0.020	0.040	ND				
Fluoranthene	0.020	0.040	0.095				
Fluorene	0.020	0.040	ND				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	0.170				
Pyrene	0.020	0.040	0.124				

Our Lab I.D.			AE100258				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		108				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 6

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100259				
Client Sample I.D.			051658-006A				
Date Sampled			06/14/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	ND				
Benzo(a)pyrene	0.010	0.020	ND				
Benzo(b)fluoranthene	0.010	0.020	ND				
Benzo(k)fluoranthene	0.010	0.020	ND				
Chrysene	0.010	0.020	ND				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND				
Acenaphthene	0.010	0.020	ND				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	ND				
Benzo(ghi)perylene	0.010	0.020	ND				
Fluoranthene	0.010	0.020	ND				
Fluorene	0.010	0.020	ND				
Naphthalene	0.010	0.020	ND				
Phenanthrene	0.010	0.020	ND				
Pyrene	0.010	0.020	0.013J				

Our Lab I.D.			AE100259				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		105				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 7

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100260				
Client Sample I.D.			051658-007A				
Date Sampled			06/14/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	0.066				
Benzo(b)fluoranthene	0.020	0.040	0.272				
Benzo(k)fluoranthene	0.020	0.040	0.021J				
Chrysene	0.020	0.040	0.091				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND				
Acenaphthene	0.020	0.040	ND				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(ghi)perylene	0.020	0.040	ND				
Fluoranthene	0.020	0.040	0.203				
Fluorene	0.020	0.040	0.022J				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	0.249				
Pyrene	0.020	0.040	0.225				

Our Lab I.D.			AE100260				
Surrogates	**Con.Limit**		**% Rec.**				
o-Terphenyl-D14	75-125		95				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 8

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100261	AE100262			
Client Sample I.D.			051658-008A	051658-009A			
Date Sampled			06/14/2001	06/14/2001			
Date Prepared			06/22/2001	06/22/2001			
Preparation Method			3550B	3550B			
Date Analyzed			06/24/2001	06/24/2001			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Benzo(a)anthracene	0.010	0.020	ND	ND			
Benzo(a)pyrene	0.010	0.020	ND	ND			
Benzo(b)fluoranthene	0.010	0.020	ND	ND			
Benzo(k)fluoranthene	0.010	0.020	ND	ND			
Chrysene	0.010	0.020	ND	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND			
Acenaphthene	0.010	0.020	ND	ND			
Acenaphthylene	0.010	0.020	ND	ND			
Anthracene	0.010	0.020	ND	ND			
Benzo(ghi)perylene	0.010	0.020	ND	ND			
Fluoranthene	0.010	0.020	ND	ND			
Fluorene	0.010	0.020	ND	ND			
Naphthalene	0.010	0.020	ND	ND			
Phenanthrene	0.010	0.020	ND	ND			
Pyrene	0.010	0.020	ND	ND			

Our Lab I.D.			AE100261	AE100262			
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**			
p-Terphenyl-D14	75-125		94	88			

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 9

AETL Job Number	Submitted	Client
19135	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QUALITY CONTROL REPORT

QC Batch Number: 06222001 / 06222001

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzo(a)anthracene	50.00	48.00	96	50.00	50.00	100	4.0	75-125	<20	
Benzo(a)pyrene	50.00	50.00	100	50.00	48.50	97	3.0	75-125	<20	
Naphthalene	500.00	425.00	85	500.00	425.00	85	<1	75-125	<20	

QC Batch Number: 06222001 / 06222001

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzo(a)anthracene	50.00	50.00	100	75-125						
Benzo(a)pyrene	50.00	50.50	101	75-125						
Naphthalene	500.00	440.00	88	75-125						
LCS										
Acenaphthene	500.00	540.00	108	75-125						
Acenaphthylene	500.00	525.00	105	75-125						
Anthracene	500.00	555.00	111	75-125						
Benzo(b)fluoranthene	50.00	50.50	101	75-125						
Benzo(ghi)perylene	50.00	51.50	103	75-125						
Benzo(k)fluoranthene	25.00	24.50	98	75-125						
Chrysene	50.00	53.00	106	75-125						
Dibenzo(a,h)anthracene	50.00	48.00	96	75-125						
Fluoranthene	50.00	50.00	100	75-125						
Fluorene	500.00	520.00	104	75-125						
Indeno(1,2,3-cd)pyrene	50.00	44.50	89	75-125						
Phenanthrene	500.00	580.00	116	75-125						
Pyrene	50.00	49.00	98	75-125						

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Data Qualifiers and Descriptors

Data Qualifier:

B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 26, 2001

Rick Day
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051725

Attention: Rick Day

Enclosed are the results for sample(s) received on June 20, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Number of Pages 4
Date Received 06/20/2001
Date Reported 06/26/2001

Telephone: (562)989-4045
Attention: Diane Galvan

Job Number	Order Date	Client
19151	06/20/2001	ATL

Project ID: 051725

Enclosed please find results of analyses of 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: B.R. Salyer

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

Advanced Technology Laboratorie
3275 Walnut Street
Signal Hill, California 90807-
(562) 989-4045

SUB CHAIN-OF-CUSTODY RECORD

Subcontractor:

AETL
2834 North Naomi Street

Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840

Acct #:

QClevel: CT-TR1 19151

20-Jun-01

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests					
				EPA 8100- 8310	6120 gm				
051725-004A \ ED6-0	Soil	06/19/2001	TUBE	1		AE	100288		
051725-005A \ ED6-0.3	Soil	06/19/2001	TUBE	1		AE	100289		
051725-006A \ ED6-0.6	Soil	06/19/2001	TUBE	1		AE	100290		

Comments: Please use PO#: 21439. Please fax results by: 06/26/01. Fax received copy to 562-989-4040.

		Date/Time			Date/Time
Relinquished by:	[illegible]	6/20/01	**Received by:**	B.F. [illegible]	6/20/01 230pm
Relinquished by:			**Received by:**		

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 2
Project ID: 051725

AETL Job Number	Submitted	Client
19151	06/20/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.							
Client Sample I.D.			Method Blank				
Date Sampled			06/19/2001				
Date Prepared			06/22/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	ND				
Benzo(a)pyrene	0.010	0.020	ND				
Benzo(b)fluoranthene	0.010	0.020	ND				
Benzo(k)fluoranthene	0.010	0.020	ND				
Chrysene	0.010	0.020	ND				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND				
Acenaphthene	0.010	0.020	ND				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	ND				
Benzo(ghi)perylene	0.010	0.020	ND				
Fluoranthene	0.010	0.020	ND				
Fluorene	0.010	0.020	ND				
Naphthalene	0.010	0.020	ND				
Phenanthrene	0.010	0.020	ND				
Pyrene	0.010	0.020	ND				

Our Lab I.D.							
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		96				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 3
Project ID: 051725

AETL Job Number	Submitted	Client
19151	06/20/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06222001 / 06222001

Our Lab I.D.			AE100288	AE100289	AE100290		
Client Sample I.D.			051725-004A	051725-005A	051725-006A		
Date Sampled			06/19/2001	06/19/2001	06/19/2001		
Date Prepared			06/22/2001	06/22/2001	06/22/2001		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			06/24/2001	06/24/2001	06/24/2001		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Benzo(a)anthracene	0.020	0.040	0.151	ND	0.088		
Benzo(a)pyrene	0.020	0.040	0.210	ND	0.140		
Benzo(b)fluoranthene	0.020	0.040	0.426	ND	0.133		
Benzo(k)fluoranthene	0.020	0.040	0.210	ND	0.048		
Chrysene	0.020	0.040	0.680	ND	0.078		
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.020	0.040	0.102	ND	0.101		
Acenaphthene	0.020	0.040	ND	ND	ND		
Acenaphthylene	0.020	0.040	ND	ND	ND		
Anthracene	0.020	0.040	0.387	ND	0.052		
Benzo(ghi)perylene	0.020	0.040	0.116	ND	0.094		
Fluoranthene	0.020	0.040	1.49	0.28	0.316		
Fluorene	0.020	0.040	0.049	ND	ND		
Naphthalene	0.020	0.040	0.024J	ND	ND		
Phenanthrene	0.020	0.040	0.705	0.033J	0.287		
Pyrene	0.020	0.040	1.36	0.035J	0.350		

Our Lab I.D.			AE100288	AE100289	AE100290		
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
p-Terphenyl-D14	75-125		83	101	84		

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 4
Project ID: 051725

AETL Job Number	Submitted	Client
19151	06/20/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QUALITY CONTROL REPORT

QC Batch Number: 06222001 / 06222001

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzo(a)anthracene	50.00	48.00	96	50.00	50.00	100	4.0	75-125	<20	
Benzo(a)pyrene	50.00	50.00	100	50.00	48.50	97	3.0	75-125	<20	
Naphthalene	500.00	425.00	85	500.00	425.00	85	<1	75-125	<20	

QC Batch Number: 06222001 / 06222001

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzo(a)anthracene	50.00	50.00	100	75-125						
Benzo(a)pyrene	50.00	50.50	101	75-125						
Naphthalene	500.00	440.00	88	75-125						
LCS										
Acenaphthene	500.00	540.00	108	75-125						
Acenaphthylene	500.00	525.00	105	75-125						
Anthracene	500.00	555.00	111	75-125						
Benzo(b)fluoranthene	50.00	50.50	101	75-125						
Benzo(ghi)perylene	50.00	51.50	103	75-125						
Benzo(k)fluoranthene	25.00	24.50	98	75-125						
Chrysene	50.00	53.00	106	75-125						
Dibenzo(a,h)anthracene	50.00	48.00	96	75-125						
Fluoranthene	50.00	50.00	100	75-125						
Fluorene	500.00	520.00	104	75-125						
Indeno(1,2,3-cd)pyrene	50.00	44.50	89	75-125						
Phenanthrene	500.00	580.00	116	75-125						
Pyrene	50.00	49.00	98	75-125						

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Data Qualifiers and Descriptors

Data Qualifier:

B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 26, 2001

Rick Day
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051656

Attention: Rick Day

Enclosed are the results for sample(s) received on June 15, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Number of Pages 7
Date Received 06/18/2001
Date Reported 06/27/2001

Telephone: (562)989-4045
Attention: Diane Galvan

Job Number	Order Date	Client
19134	06/18/2001	ATL

Project ID: 051656

Enclosed please find results of analyses of 11 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Gary Morelli

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 2
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06192001 / 06192001

Our Lab I.D.							
Client Sample I.D.			Method Blank				
Date Sampled			06/14/2001				
Date Prepared			06/19/2001				
Preparation Method			3550B				
Date Analyzed			06/26/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	ND				
Benzo(a)pyrene	0.010	0.020	ND				
Benzo(b)fluoranthene	0.010	0.020	ND				
Benzo(k)fluoranthene	0.010	0.020	ND				
Chrysene	0.010	0.020	ND				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND				
Acenaphthene	0.010	0.020	ND				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	ND				
Benzo(ghi)perylene	0.010	0.020	ND				
Fluoranthene	0.010	0.020	ND				
Fluorene	0.010	0.020	ND				
Naphthalene	0.010	0.020	ND				
Phenanthrene	0.010	0.020	ND				
Pyrene	0.010	0.020	ND				

Our Lab I.D.							
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		97				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 3
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06192001 / 06192001

Our Lab I.D.			AE100244				
Client Sample I.D.			051656-004A				
Date Sampled			06/14/2001				
Date Prepared			06/19/2001				
Preparation Method			3550B				
Date Analyzed			06/24/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	ND				
Benzo(b)fluoranthene	0.020	0.040	0.026J				
Benzo(k)fluoranthene	0.020	0.040	ND				
Chrysene	0.020	0.040	0.024J				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND				
Acenaphthene	0.020	0.040	ND				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(ghi)perylene	0.020	0.040	ND				
Fluoranthene	0.020	0.040	0.054				
Fluorene	0.020	0.040	ND				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	0.067				
Pyrene	0.020	0.040	0.048				

Our Lab I.D.			AE100244				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		78				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 4
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06192001 / 06192001

Our Lab I.D.			AE100245	AE100246			
Client Sample I.D.			051656-007A	051656-008A			
Date Sampled			06/14/2001	06/14/2001			
Date Prepared			06/19/2001	06/19/2001			
Preparation Method			3550B	3550B			
Date Analyzed			06/24/2001	06/25/2001			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Benzo(a)anthracene	0.010	0.020	ND	ND			
Benzo(a)pyrene	0.010	0.020	ND	0.018J			
Benzo(b)fluoranthene	0.010	0.020	ND	0.024			
Benzo(k)fluoranthene	0.010	0.020	ND	0.010J			
Chrysene	0.010	0.020	ND	0.016J			
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND			
Acenaphthene	0.010	0.020	ND	0.015J			
Acenaphthylene	0.010	0.020	ND	ND			
Anthracene	0.010	0.020	ND	ND			
Benzo(ghi)perylene	0.010	0.020	ND	ND			
Fluoranthene	0.010	0.020	0.012J	0.059			
Fluorene	0.010	0.020	ND	0.012J			
Naphthalene	0.010	0.020	ND	0.028			
Phenanthrene	0.010	0.020	0.020	0.086			
Pyrene	0.010	0.020	ND	0.045			

Our Lab I.D.			AE100245	AE100246			
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**			
p-Terphenyl-D14	75-125		88	82			

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 5
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06192001 / 06192001

Our Lab I.D.			AE100247	AE100248	AE100249	AE100250	AE100251
Client Sample I.D.			051656-011A	051656-015A	051656-016A	051656-019A	051656- 025A
Date Sampled			06/14/2001	06/14/2001	06/14/2001	06/14/2001	06/14/2001
Date Prepared			06/19/2001	06/19/2001	06/19/2001	06/19/2001	06/19/2001
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/25/2001	06/25/2001	06/25/2001	06/25/2001	06/26/2001
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			2	2	2	2	2
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Benzo(a)anthracene	0.020	0.040	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.020	0.040	0.055	ND	0.024J	0.036J	0.121
Benzo(b)fluoranthene	0.020	0.040	0.133	ND	0.035J	0.089	0.148
Benzo(k)fluoranthene	0.020	0.040	0.024J	ND	ND	0.021J	0.044
Chrysene	0.020	0.040	ND	ND	ND	ND	0.073
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND	ND	ND	0.042	0.096
Acenaphthene	0.020	0.040	ND	ND	ND	ND	0.026J
Acenaphthylene	0.020	0.040	ND	ND	ND	ND	ND
Anthracene	0.020	0.040	ND	ND	ND	ND	ND
Benzo(ghi)perylene	0.020	0.040	ND	ND	ND	0.080	0.064
Fluoranthene	0.020	0.040	0.135	0.023J	0.101	0.099	0.269
Fluorene	0.020	0.040	ND	ND	ND	ND	ND
Naphthalene	0.020	0.040	0.139	ND	ND	0.026J	0.037J
Phenanthrene	0.020	0.040	0.183	0.040	0.104	0.088	0.306
Pyrene	0.020	0.040	0.113	ND	0.077	0.144	0.264

Our Lab I.D.			AE100247	AE100248	AE100249	AE100250	AE100251
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
p-Terphenyl-D14	75-125		89	87	106	82	80

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 6
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06192001 / 06192001

Our Lab I.D.			AE100252	AE100253	AE100254		
Client Sample I.D.			051656-026A	051656-029A	051656-030A		
Date Sampled			06/14/2001	06/14/2001	06/14/2001		
Date Prepared			06/19/2001	06/19/2001	06/19/2001		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			06/26/2001	06/26/2001	06/26/2001		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Benzo(a)anthracene	0.020	0.040	ND	ND	1.96		
Benzo(a)pyrene	0.020	0.040	0.046	0.054	1.46		
Benzo(b)fluoranthene	0.020	0.040	0.105	0.078	2.20		
Benzo(k)fluoranthene	0.020	0.040	0.024J	0.023J	0.827		
Chrysene	0.020	0.040	0.080	ND	2.25		
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND	0.380		
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND	0.045	0.491		
Acenaphthene	0.020	0.040	ND	ND	0.081		
Acenaphthylene	0.020	0.040	ND	ND	ND		
Anthracene	0.020	0.040	ND	ND	5.60		
Benzo(ghi)perylene	0.020	0.040	ND	0.050	0.628		
Fluoranthene	0.020	0.040	0.128	0.132	13.9		
Fluorene	0.020	0.040	ND	ND	0.403		
Naphthalene	0.020	0.040	0.035J	0.023J	0.060		
Phenanthrene	0.020	0.040	0.152	0.155	1.16		
Pyrene	0.020	0.040	0.130	0.143	10.5		

Comment(s):

AE100254: No surrogate recovery due to matrix interference.

Our Lab I.D.			AE100252	AE100253	AE100254		
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
-Terphenyl-D14	75-125		81	95	0		

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 7
Project ID: 051656

AETL Job Number	Submitted	Client
19134	06/18/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QUALITY CONTROL REPORT

QC Batch Number: 06192001 / 06192001

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzo(a)anthracene	50.00	43.50	87	50.00	41.00	82	5.9	75-125	<20	
Benzo(a)pyrene	50.00	45.00	90	50.00	42.00	84	6.9	75-125	<20	
Naphthalene	500.00	420.00	84	500.00	395.00	79	6.1	75-125	<20	

QC Batch Number: 06192001 / 06192001

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzo(a)anthracene	50.00	44.00	88	75-125						
Benzo(a)pyrene	50.00	44.50	89	75-125						
Naphthalene	500.00	420.00	84	75-125						
LCS										
Acenaphthene	500.00	500.00	100	75-125						
Acenaphthylene	500.00	475.00	95	75-125						
Anthracene	500.00	490.00	98	75-125						
Benzo(b)fluoranthene	50.00	44.50	89	75-125						
Benzo(ghi)perylene	50.00	48.00	96	75-125						
Benzo(k)fluoranthene	25.00	21.00	84	75-125						
Chrysene	50.00	46.00	92	75-125						
Dibenzo(a,h)anthracene	50.00	46.00	92	75-125						
Fluoranthene	50.00	45.50	91	75-125						
Fluorene	500.00	465.00	93	75-125						
Indeno(1,2,3-cd)pyrene	50.00	47.00	94	75-125						
Phenanthrene	500.00	520.00	104	75-125						
Pyrene	50.00	44.50	89	75-125						

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Data Qualifiers and Descriptors

Data Qualifier:

B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

Advanced Technology Laboratorie
3275 Walnut Street
Signal Hill, California 90807-
(562) 989-4045

SUB CHAIN-OF-CUSTODY RECORD

19134

Subcontractor:
AETL
2834 North Naomi Street
Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840

Acct #:

QClevel: CT-TR1

15-Jun-01

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 8310 ~~EPA 8100~~					
051656-004A \ E30-L	Soil	06/14/2001	TUBE	1			AE100244		
051656-007A \ E32C-0	Soil	06/14/2001	TUBE	1			AE100245		
051656-008A \ E32L-0	Soil	06/14/2001	TUBE	1			AE100246		
051656-011A \ E34L-0	Soil	06/14/2001	TUBE	1			AE100247		
051656-015A \ E36L-0	Soil	06/14/2001	TUBE	1			AE100248		
051656-016A \ E36C-0	Soil	06/14/2001	TUBE	1			AE100249		
051656-019A \ E38L-0	Soil	06/14/2001	TUBE	1			AE100250		
051656-025A \ MD11-0	Soil	06/14/2001	TUBE	1			AE100251		
051656-026A \ MD11-0.3	Soil	06/14/2001	TUBE	1			AE100252		
051656-029A \ MD13-0	Soil	06/14/2001	TUBE	1			AE100253		
051656-030A \ MD13-1	Soil	06/14/2001	TUBE	1			AE100254		

Comments: Please use PO#: 21427. Please fax results by: 06-21-01. Return signed copy to FAX 562-989-4040.

		Date/Time			Date/Time
Relinquished by:	AM	6/18/01	**Received by:**	[illegible]	6/18/01 · 13:N
Relinquished by:			**Received by:**		

July 26, 2001

Rick Day
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051567

Attention: Rick Day

Enclosed are the results for sample(s) received on June 09, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Number of Pages 10
Date Received 06/15/2001
Date Reported 06/29/2001

Telephone: (562)989-4045
Attention: Diane Galvan

Job Number	Order Date	Client
19132	06/15/2001	ATL

Enclosed please find results of analyses of 14 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Gary Moulki

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

Advanced Technology Laboratorie
3275 Walnut Street
Signal Hill, California 90807-
(562) 989-4045

SUB CHAIN-OF-CUSTODY RECORD

19132

Subcontractor:
AETL
2834 North Naomi Street
Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840

Acct #:

QClevel: CT-TR1

14-Jun-01

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests					
				~~EPA 8100~~	8310 gm 6-15-01				
051567-035A \ DB4-3	Soil	6/8/01 11:10:00 AM	TUBE	1				AE100229	
051567-036A \ DB2-1	Soil	6/8/01 11:26:00 AM	TUBE	1				AE100230	
051567-037A \ DB2-3	Soil	6/8/01 11:26:00 AM	TUBE	1				AE100231	
051567-038A \ DB2-0	Soil	6/8/01 11:23:00 AM	TUBE	1				AE100232	
051567-045A \ MD15	Soil	6/8/01 12:50:00 PM	TUBE	1				AE100233	
051567-046A \ UT16-1	Soil	6/8/01 1:00:00 PM	TUBE	1				AE100234	
051567-047A \ UT16-3	Soil	6/8/01 1:00:00 PM	TUBE	1				AE100235	
051567-048A \ UT16-0	Soil	6/8/01 1:00:00 PM	TUBE	1				AE100236	
051567-053A \ UT18-0	Soil	6/8/01 1:20:00 PM	TUBE	1				AE100237	
051567-054A \ UT18-1	Soil	6/8/01 1:30:00 PM	TUBE	1				AE100238	
051567-055A \ UT18-3	Soil	6/8/01 1:30:00 PM	TUBE	1				AE100239	
051567-056A \ UT18-5	Soil	6/8/01 1:30:00 PM	TUBE	1				AE100240	
051567-057A \ MD17-0	Soil	6/8/01 2:00:00 PM	TUBE	1				AE100241	
051567-058A \ MD17-1	Soil	6/8/01 2:00:00 PM	TUBE	1				AE100242	

Comments: Please use PO#: 21424 Please fax results by: [redacted] Normal TAT

	Date/Time		Date/Time
Relinquished by: [signature]	6/14/01 2:00	**Received by:** [signature]	6/15/01 - 10:00
Relinquished by:		**Received by:**	

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 2

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.				AE100229	AE100230	AE100231	
Client Sample I.D.			Method Blank	051567-035A	051567-036A	051567-037A	
Date Sampled			06/08/2001	06/08/2001	06/08/2001	06/08/2001	
Date Prepared			06/21/2001	06/21/2001	06/21/2001	06/21/2001	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			06/28/2001	06/28/2001	06/28/2001	06/28/2001	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Benzo(a)anthracene	0.010	0.020	ND	ND	0.345	ND	
Benzo(a)pyrene	0.010	0.020	ND	0.015J	0.542	ND	
Benzo(b)fluoranthene	0.010	0.020	ND	0.017J	0.639	0.024	
Benzo(k)fluoranthene	0.010	0.020	ND	ND	0.267	ND	
Chrysene	0.010	0.020	ND	0.010J	0.345	ND	
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	0.010J	0.312	ND	
Acenaphthene	0.010	0.020	ND	ND	1.26	ND	
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	
Anthracene	0.010	0.020	ND	ND	0.770	ND	
Benzo(ghi)perylene	0.010	0.020	ND	ND	0.323	ND	
Fluoranthene	0.010	0.020	ND	0.040	2.85	0.026	
Fluorene	0.010	0.020	ND	ND	0.868	ND	
Naphthalene	0.010	0.020	ND	ND	0.693	ND	
Phenanthrene	0.010	0.020	ND	0.056	4.75	0.036	
Pyrene	0.010	0.020	ND	0.032	1.88	0.020	

Comment(s):

AE100230:No surrogate recovery due to matrix interference.

Our Lab I.D.				AE100229	AE100230	AE100231	
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
p-Terphenyl-D14	75-125		96	104	0	83	

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 3

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100232	AE100233			
Client Sample I.D.			051567-038A	051567-045A			
Date Sampled			06/08/2001	06/08/2001			
Date Prepared			06/21/2001	06/21/2001			
Preparation Method			3550B	3550B			
Date Analyzed			06/28/2001	06/28/2001			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			2	2			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Benzo(a)anthracene	0.020	0.040	0.033J	0.036J			
Benzo(a)pyrene	0.020	0.040	0.086	0.092			
Benzo(b)fluoranthene	0.020	0.040	0.119	0.156			
Benzo(k)fluoranthene	0.020	0.040	0.039J	0.045			
Chrysene	0.020	0.040	0.046	0.098			
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND			
Indeno(1,2,3-cd)pyrene	0.020	0.040	0.063	0.056			
Acenaphthene	0.020	0.040	0.043	0.045			
Acenaphthylene	0.020	0.040	ND	ND			
Anthracene	0.020	0.040	0.026J	0.062			
Benzo(ghi)perylene	0.020	0.040	0.075	0.069			
Fluoranthene	0.020	0.040	0.236	0.271			
Fluorene	0.020	0.040	0.026J	0.043			
Naphthalene	0.020	0.040	0.039J	0.021J			
Phenanthrene	0.020	0.040	0.284	0.258			
Pyrene	0.020	0.040	0.177	0.229			

Our Lab I.D.			AE100232	AE100233			
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**			
p-Terphenyl-D14	75-125		76	82			

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 4

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100234				
Client Sample I.D.			051567-046A				
Date Sampled			06/08/2001				
Date Prepared			06/21/2001				
Preparation Method			3550B				
Date Analyzed			06/28/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	0.042				
Benzo(a)pyrene	0.010	0.020	0.112				
Benzo(b)fluoranthene	0.010	0.020	0.120				
Benzo(k)fluoranthene	0.010	0.020	0.048				
Chrysene	0.010	0.020	0.040				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	0.081				
Acenaphthene	0.010	0.020	0.143				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	0.065				
Benzo(ghi)perylene	0.010	0.020	0.093				
Fluoranthene	0.010	0.020	0.353				
Fluorene	0.010	0.020	0.116				
Naphthalene	0.010	0.020	0.073				
Phenanthrene	0.010	0.020	0.528				
Pyrene	0.010	0.020	0.264				

Our Lab I.D.			AE100234				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		78				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 9

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100242				
Client Sample I.D.			051567-058A				
Date Sampled			06/08/2001				
Date Prepared			06/21/2001				
Preparation Method			3550B				
Date Analyzed			06/28/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.010	0.020	0.020				
Benzo(a)pyrene	0.010	0.020	0.039				
Benzo(b)fluoranthene	0.010	0.020	0.049				
Benzo(k)fluoranthene	0.010	0.020	0.020				
Chrysene	0.010	0.020	0.025				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	0.022				
Acenaphthene	0.010	0.020	0.061				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	0.045				
Benzo(ghi)perylene	0.010	0.020	0.022				
Fluoranthene	0.010	0.020	0.157				
Fluorene	0.010	0.020	0.036				
Naphthalene	0.010	0.020	0.020				
Phenanthrene	0.010	0.020	0.243				
Pyrene	0.010	0.020	0.106				

Our Lab I.D.			AE100242				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		87				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 10

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QUALITY CONTROL REPORT

QC Batch Number: 06212001 / 06212001

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzo(a)anthracene	50.00	43.00	86	50.00	48.00	96	10.9	75-125	<20	
Benzo(a)pyrene	50.00	51.50	103	50.00	51.50	103	<1	75-125	<20	
Naphthalene	500.00	435.00	87	500.00	440.00	88	1.1	75-125	<20	

QC Batch Number: 06212001 / 06212001

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzo(a)anthracene	50.00	49.50	99	75-125						
Benzo(a)pyrene	50.00	52.00	104	75-125						
Naphthalene	500.00	445.00	89	75-125						
LCS										
Acenaphthene	500.00	560.00	112	75-125						
Acenaphthylene	500.00	515.00	103	75-125						
Anthracene	500.00	540.00	108	75-125						
Benzo(b)fluoranthene	50.00	53.00	106	75-125						
Benzo(ghi)perylene	50.00	53.50	107	75-125						
Benzo(k)fluoranthene	25.00	24.00	96	75-125						
Chrysene	50.00	52.00	104	75-125						
Dibenzo(a,h)anthracene	50.00	50.00	100	75-125						
Fluoranthene	50.00	50.00	100	75-125						
Fluorene	500.00	435.00	87	75-125						
Indeno(1,2,3-cd)pyrene	50.00	51.50	103	75-125						
Phenanthrene	500.00	565.00	113	75-125						
Pyrene	50.00	48.00	96	75-125						

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

Data Qualifiers and Descriptors

ata Qualifier:

B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

)efinition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 8

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100241				
Client Sample I.D.			051567-057A				
Date Sampled			06/08/2001				
Date Prepared			06/21/2001				
Preparation Method			3550B				
Date Analyzed			06/28/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	1.03				
Benzo(a)pyrene	0.020	0.040	1.59				
Benzo(b)fluoranthene	0.020	0.040	1.89				
Benzo(k)fluoranthene	0.020	0.040	0.747				
Chrysene	0.020	0.040	0.933				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	0.896				
Acenaphthene	0.020	0.040	3.72				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	2.72				
Benzo(ghi)perylene	0.020	0.040	0.998				
Fluoranthene	0.020	0.040	7.33				
Fluorene	0.020	0.040	2.48				
Naphthalene	0.020	0.040	2.11				
Phenanthrene	0.020	0.040	11.9				
Pyrene	0.020	0.040	4.66				

Our Lab I.D.			AE100241				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		90				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 6

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100236				
Client Sample I.D.			051567-048A				
Date Sampled			06/08/2001				
Date Prepared			06/21/2001				
Preparation Method			3550B				
Date Analyzed			06/28/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.050	0.100	ND				
Benzo(a)pyrene	0.050	0.100	ND				
Benzo(b)fluoranthene	0.050	0.100	0.059J				
Benzo(k)fluoranthene	0.050	0.100	ND				
Chrysene	0.050	0.100	ND				
Dibenzo(a,h)anthracene	0.050	0.100	ND				
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND				
Acenaphthene	0.050	0.100	ND				
Acenaphthylene	0.050	0.100	ND				
Anthracene	0.050	0.100	ND				
Benzo(ghi)perylene	0.050	0.100	ND				
Fluoranthene	0.050	0.100	0.105				
Fluorene	0.050	0.100	ND				
Naphthalene	0.050	0.100	0.057J				
Phenanthrene	0.050	0.100	0.115				
Pyrene	0.050	0.100	0.100				

Our Lab I.D.			AE100236				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		78				

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 7

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100237	AE100238	AE100239	AE100240	
Client Sample I.D.			051567-053A	051567-054A	051567-055A	051567-056A	
Date Sampled			06/08/2001	06/08/2001	06/08/2001	06/08/2001	
Date Prepared			06/21/2001	06/21/2001	06/21/2001	06/21/2001	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			06/28/2001	06/28/2001	06/28/2001	06/28/2001	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Benzo(a)anthracene	0.010	0.020	ND	0.024	ND	ND	
Benzo(a)pyrene	0.010	0.020	0.034	0.047	ND	0.012J	
Benzo(b)fluoranthene	0.010	0.020	0.043	0.055	ND	0.043	
Benzo(k)fluoranthene	0.010	0.020	0.018J	0.022	ND	ND	
Chrysene	0.010	0.020	0.022	0.021	ND	ND	
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.010	0.020	0.028	0.026	ND	ND	
Acenaphthene	0.010	0.020	0.043	0.068	ND	ND	
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	
Anthracene	0.010	0.020	0.013J	0.032	ND	ND	
Benzo(ghi)perylene	0.010	0.020	0.036	0.030	ND	ND	
Fluoranthene	0.010	0.020	0.138	0.198	ND	0.015J	
Fluorene	0.010	0.020	0.030	0.051	ND	ND	
Naphthalene	0.010	0.020	0.022	0.043	ND	ND	
Phenanthrene	0.010	0.020	0.205	0.322	ND	0.022	
Pyrene	0.010	0.020	0.098	0.132	ND	0.018J	

Our Lab I.D.			AE100237	AE100238	AE100239	AE100240	
Surrogates	**Con.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
p-Terphenyl-D14	75-125		100	83	96	88	

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90807

Telephone: (562)989-4045
Attn: Diane Galvan

Page: 5

AETL Job Number	Submitted	Client
19132	06/15/2001	ATL

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch Number: 06212001 / 06212001

Our Lab I.D.			AE100235				
Client Sample I.D.			051567-047A				
Date Sampled			06/08/2001				
Date Prepared			06/21/2001				
Preparation Method			3550B				
Date Analyzed			06/28/2001				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	0.034J				
Benzo(b)fluoranthene	0.020	0.040	0.053				
Benzo(k)fluoranthene	0.020	0.040	ND				
Chrysene	0.020	0.040	0.040				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	0.022J				
Acenaphthene	0.020	0.040	0.020J				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(ghi)perylene	0.020	0.040	0.030J				
Fluoranthene	0.020	0.040	0.108				
Fluorene	0.020	0.040	ND				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	0.130				
Pyrene	0.020	0.040	0.096				

Our Lab I.D.			AE100235				
Surrogates	**Con.Limit**		**% Rec.**				
p-Terphenyl-D14	75-125		78				

July 26, 2001

Rick Day
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051567

Attention: Rick Day

Enclosed are the results for sample(s) received on June 09, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Pg 1 of ____

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: ____ Time: ____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon Livermore
Attn: MARK HASTING
Address: 2356 Research Dr
City Livermore State CA Zip Code
TEL: (925) 371-5200
FAX: (925) 371-5915

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) MARK HASTING (Signature) [signature]

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name ____ Date ____
Signature ____

Send Report To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Bill To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Special Instructions/Comments:
48 Hours on metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) / 8260 (Volatiles-GC/MS) / 625 / 8270 (BNA-GC/MS) / Metals-Total AC-6010 / 7000) / 8015M TPH/BTEX (COMBINATION) / 8015M TPH/D (Diesel-GC) / TPHmo (8015) / PAHs (8100) / Total Lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE / OIL • SOLVENT • LIQUID / WATER • WASTEWATER / DRINKING WATER / AIR / WIPE • FILTER / OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total AC-6010 / 7000)	8015M TPH/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPHmo (8015)	PAHs (8100)	Total Lead	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	51567-1/2	PL3-1,3	8/30/01	830	X	X		X	X	X	X	X				X						E	1	T P C	
	-3	PL3-0	8/30/01	830	X			X		X	X	X													
	4/6	PL4-0,1,3	8/30/01	0840										X											
	7/9	PL2-0,1,3	8/30/01	850										X											
	10/11	PL1-1,3	8/30/01	0859	X	X		X	X	X	X	X													
	12	PL1-0		0900	X			X		X	X	X													
	13/15	SS4-1,3,5		0930	X	X		X	X	X	X	X													
	16	SS4-0		0930	X			X		X	X	X													
	17/20	SS3-0,1,3,5		0950										X											
	21/23	AB3-0,1,3		0950										X											

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O[illegible]H T=$Na_2S_2O_3$

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter.

CHAIN OF CUSTODY RECORD

✓ of ____

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: ____ Time: ____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon Livermore
Attn: Mark Hasting
Address: 2356 Research Dr
City: Livermore State: ____ Zip Code: ____
TEL: (925) 371-5900
FAX: ( ) 3715915

Project Name: Oakland mole
Project #: E8000-06-13
Sampler: (Printed Name) MARK HASTING (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] MARK HASTING Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____
Relinquished by: (Signature and Printed Name) ____ Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____
Relinquished by: (Signature and Printed Name) ____ Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: ____ Print Name ____ Date ____ Signature

Send Report To: Attn: ____ Co: ____ Address ____ City ____ State ____ Zip ____

Bill To: Attn: ____ Co: ____ Address ____ City ____ State ____ Zip ____

Special Instructions/Comments: 48 Hour on metals

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M (TPH) G/BTEX (COMBINATION); 8015M TPH-D (Diesel-GC); TPH-G BTEX 8000; Total Lead

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Metals-Total	8015M (TPH)	8015M TPH-D	TPH-G BTEX 8000	Total Lead																			TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	24	AR2-0	8/2/99	0955	X			X		X	X	X							X												L	1	T	P	C	
	25/26	AR2-1,3		0955	X	X		X	X	X	X	X																								
	27	AR4-0		1010	X			X		X	X	X																								
	28/29	AR4-1,3		1010	X	X		X	X	X	X	X																								
	30/32	AR1-0,1,3		1045									X																							
	33	DB4-0		1110	X			X		X	X	X																								
	34/35	DB4-1,3		1110	X	X		X	X	X	X	X																								
	36/37	DB2-1,3		1126	X	X		X	X	X	X	X																								
	38	DB2-0		1123	X			X		X	X	X																								
	39/41	DB1-0,1,3		1130									X																							

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: ____ Time: ____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: GeoCon Livermore
Attn:
Address: 2356 Research Dr
City: Livermor State: CA Zip Code:
TEL: (929) 3715900
FAX: ( ) 3715915

Project Name: Oak Land Mole Project #: E8000-06-13 Sampler: (Printed Name) Mark Hastenc (Signature)

Relinquished by: (Signature and Printed Name) Mark Hastenc Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name ____ Date ____
Signature ____

Send Report To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Bill To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Special Instructions/Comments: See PG 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010/7000)	8015M TPH-G/BTEX (COMBINATION)	8015M TPH-D (Diesel-GC)	Tahmo	PAH	Total Lead	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	42/44	DB3-0,1,3	8/30/9	1230									X								E	1	T	D	C
	45	MD15		1250	X	X		X	X	X	X	X													
	46/47	UT16-1,3		1300	X	X		X	X	X	X	X													
	48	UT16-0		1300	X			X		X	X	X													
	49/52	UT17-0,1,3,5		1310									X												
	53	UT18-0		1320	X			X		X	X	X													
	54/56	UT18-1,3,5		1330	X	X		X	X	X	X	X													
	57/58	MD17-0,1		1400	X	X		X	X	X	X	X													
	59/60	MD18-0,1		1415									X												
	61/62	MD16-0,1		1420									X												

• TAT starts 8 a.m. following day if samples re[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with [illegible] Yellow to folder. Pink to submitter.

Advanced Technology Laboratories

Print Date: *7/23/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	DB1-1
Lab Order:	051567		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 11:30:00 AM
Lab ID:	051567-040A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION			**EPA 1311/ 7420**			
RunID: **AA2_010723B** BatchID: **4964**				PrepDate: **7/19/01**		Analyst: **RQ**
Lead	3.4	0.15		mg/L	1.0	7/23/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: RA

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051567
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Method Blank

Sample ID **MB-4964** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**
MBLK SeqNo: **159975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4951TCLP** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**
MBLK SeqNo: **159976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051567
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Duplicate

Sample ID **051567-040ADU** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**

DUP SeqNo: **159979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.1	0.15	0	0	0	0	0	3.4	48	30	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051567
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **051567-040AMS** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**
MS SeqNo: **159980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.9	0.15	2.5	3.4	19	80	120	0			S

Sample ID **051567-040AMS** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**
MSD SeqNo: **159981**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.4	0.15	2.5	3.4	40	80	120	3.9	13	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051567
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-4964** Batch ID: **4964** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/19/01**

LCS SeqNo: **159977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.1	0.15	1	0	113	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Diane

From: Mark Hasting [hasting@geoconinc.com]
Sent: Monday, July 16, 2001 10:21 AM
To: Diane@atlglobal.com
Subject: TCLP and wet test for Oakland Mole

Diane,

Can you tell me if you can you can still run a wet test and TCLP on soil samples from the Oakland Mole ATL
job #s 051567-040A for the TCLP
adn 051539-036A for the wet

If you can, please go ahead and run them, you can either email me or call me at 925-371-5900 ex. 207

Thanks

Mark Hasting
Geocon, Livermore

Advanced Technology Laboratories

Print Date: *7/23/01*

CLIENT: Geocon Environmental
Lab Order: 051539
Project: Oakland Mole - E8000-06-13
Lab ID: 051539-036A

Client Sample ID: UT15-0.3
Collection Date: 6/7/01
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION				**WET/ EPA 7420**		
RunID: AA2_010723A BatchID: 4950				PrepDate: 7/18/01		Analyst: RQ
Lead	4.4	0.15		mg/L	1.0	7/23/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: RA

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: 7/23/01

CLIENT: Geocon Environmental
Lab Order: 051567
Project: Oakland Mole - E8000-06-13
Lab ID: 051567-040A

Client Sample ID: DB1-1
Collection Date: 6/8/01 11:30:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION			EPA 1311/ 7420			
RunID: AA2_010723B BatchID: 4964			PrepDate: 7/19/01			Analyst: RQ
Lead	3.4	0.15		mg/L	1.0	7/23/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: RA

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

TRANSMISSION VERIFICATION REPORT

TIME : 07/23/2001 16:12

DATE,TIME	07/23 16:10
FAX NO./NAME	CT4 - TOLL BRG
DURATION	00:01:05
PAGE(S)	02
RESULT	OK
MODE	STANDARD

Diane

From: Mark Hasting [hasting@geoconinc.com]
Sent: Monday, July 16, 2001 10:21 AM
To: Diane@atlglobal.com
Subject: TCLP and wet test for Oakland Mole

Diane,

Can you tell me if you can you can still run a wet test and TCLP on soil samples from the Oakland Mole ATL
job #s 051567-040A for the TCLP
adn 051539-036A for the wet

If you can, please go ahead and run them, you can either email me or call me at 925-371-5900 ex. 207

Thanks

Mark Hasting
Geocon, Livermore

Diane

From: Mark Hasting [hasting@geoconinc.com]
Sent: Monday, July 16, 2001 10:21 AM
To: Diane@al.global.com
Subject: TCLP and wet test for Oakland Mole

Diane,

Can you tell me if you can you can still run a wet test and TCLP on soil samples from the Oakland Mole ATL
job #s 051567-040A for the TCLP
adn 051539-036A for the wet

If you can, please go ahead and run them, you can either email me or call me at 925-371-5900 ex. 207

Thanks

Mark Hasting
Geocon, Livermore

Advanced Technology
Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Mark

From: Rachelle

RE: Oakland Mole

Message: Result of TCLP Pb.

Thanks!

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology
Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Mark

From: Rachelle

RE:

Message:

Result of STLC Pb

Thanks!

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology Laboratories

Print Date: *06-Aug-01*

CLIENT:	Geocon Environmental	**Test No:**	WET/ EPA 7420
Lab Order:	051725	**Units:**	mg/L
Project:	Oakland Mole - E8000-06-13	**Analyst:**	NS

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
051725-004A	ED6-0	Solid/ STLC Extract	6/19/01	5179	2.9	0.15		1	8/4/01
051725-006A	ED6-0.6	Solid/ STLC Extract	6/19/01	5179	5.1	0.15		1	8/4/01

Qualifiers

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:_____

July 26, 2001

Matt Hanko
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051539

Attention: Matt Hanko

Enclosed are the results for sample(s) received on June 08, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~ Pleas
Attn: Matt Hanko livermore
Address: ~~11325 Sunrise Park Drive, Suite~~ Pleasanton
City ~~Rancho Cordova~~ livermore State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole Project #: E8000-06-13 Sampler: (Printed Name) Travis Mills (Signature)

Relinquished by: (Signature and Printed Name) [signature] Date: 6/7 Time: 1700 Received by: (Signature and Printed Name) Fed-Ex Date: 6/7 Time: 1700
Relinquished by: (Signature and Printed Name) [signature] Date: Time: Received by: (Signature and Printed Name) [signature] Date: 6/8 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
Signature [signature]

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: All metals and lead Analysis are 48hr TAT - Rest are standard

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Other _____ ☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS) VOC's	625 / 8270 (BNA-GC/MS)	Metals Total (CAC-6010 / 7000)	8015M TPH/G (COMBINATION)	8015M TPH/G (Diesel-GC)	TPHmo 8015	PAH EPA 8100	Pesticides EPA 8081	Total lead (6010)	PCBs EPA 8082	Title 22 Metals EPA 6010	SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	51539-001	SS1-0	6/7	1126										X			X								1	bug		
	2	SS1-0.3		1127										X											1	bug		
	3	SS1-0.9		1129										X											1	bug		
	4	SS2-0		1146		X			X	X	X	X	X		X	X									1	TMC		
	5	SS2-0.3		1147		X			X	X	X	X	X		X	X									1	TMC		
	6	SS2-0.9		1149		X			X	X	X	X	X		X	X									1	TMC		
	7	UT1-0		1155										X											1	bug		
	8	UT1-0.3		1156										X											1	bug		
	9	UT1-0.9		1158										X											1	bug		
	10	UT1-1.5		1200																					1	bug		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ☐

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with re[illegible] Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~
Attn: Matt Hanko Livermore
Address: ~~11375 Sunrise Park Drive~~, Suite 100 2386 Research Dr
City ~~Rancho Cordova~~ Livermore State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole
Project #: 88000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]
Relinquished by: (Signature and Printed Name) [signature] Date: 6/7 Time: 1700
Received by: (Signature and Printed Name) [signature] Fed Ex Date: 6/7 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) [signature] Date: 6/8 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
[signature] Signature

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC) VOCs	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPH/MO	PAH	Title 22 Metals (6010)	Total Lead (6010)	SOLID SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	11	VT2-0	6/7	1216	X					X	X	X	X		X								1	T M C		
	12	VT2-0.3		1217	X	X			X	X	X	X	X										1	T M C		
	13	VT2-0.9		1219	X	X			X	X	X	X	X										1	T M C		no sample
	~~14~~	~~VT2-1.5~~		1221																			1	bag		
	14	VT3-0		1226										X									1	bag		
	15	VT3-0.3		1227										X									1	bag		
	16	VT3-0.9		1229										X									1	bag		
	17	VT3-1.5		1231										X									1	bag		
	18	VT4-0		1241	X				X	X	X	X	X										1	T M C		
	19	VT4-0.3		1242	X	X			X	X	X	X	X										1	T M C		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~ Livermore
Attn: Matt Hanko
Address: ~~11375 Sunrise Park Drive, Suite 100~~ 2356 Research Dr
City ~~Rancho Cordova~~ Livermore State CA Zip Code 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature)
Relinquished by: (Signature and Printed Name) [signature] Date: 6/7 Time: 1200
Received by: (Signature and Printed Name) [signature] Fed ex Date: 6/7 Time: 1200
Relinquished by: (Signature and Printed Name) [signature] Date: Time:
Received by: (Signature and Printed Name) [signature] Date: 6/7 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/7/01
Print Name Date
[signature] Signature

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: All lead & metals Analysis are 48hr TAT

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☒ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) VOCs; 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals Total (CAC-6010 / 7000) Filter; 8015M TPH/BTEX (COMBINATION); 8015M TPH/P (Diesel-GC); TPH/Mo PHH 8100; Total lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals Total (CAC-6010 / 7000)	8015M TPH/BTEX (COMBINATION)	8015M TPH/P (Diesel-GC)	TPH/Mo PHH 8100	Total lead (6010)	SOLID (SOIL) • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	20	VT4 - 0.9	6/7	1244	X			X	X	X	X	X		X						E/48hr	1	T M C		lead metals 48hr
		~~VT4 - 1.5~~		1246																	1	T M C		no sample
	21	VT5 - 0		1407									X							48hr	1	bag		
	22	0.3		1408									X								1	bag		
	23	0.9		1410									X								1	bag		
	24	VT6 - 0		1424	X			X		X	X									E/48hr	1	T M C		lead metals 48hr
	25	VT6 0.3		1425	X	X		X	X	X	X	X									1	T M C		
	26	VT7 - 0		1430									X							48hr	1	bag		
	27	VT7 - 0.3		1432									X								1	bag		
	28	VT13 - 0		1442									X								1	bag		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with r[illegible] Yellow to folder, Pink to submitter.

Pg ___ of 4

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - ~~SACRAMENTO~~ livermore
Attn: Matt Hanko
Address: ~~11375 Sunrise Park Drive, Suite 100~~ 2386 Research Dr
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (~~916~~ 925) ~~852-9118~~ 371 5900
FAX: (916) 852-9132

Project Name: OAKLAND MOLE
Project #: 88000-06-13
Sampler: (Printed Name) Travis Mills (Signature)
Relinquished by: (Signature and Printed Name) [signature] Date: 6/ Time: 1700
Received by: (Signature and Printed Name) Fed-Ex Date: 6/7 Time: 1700
Relinquished by: (Signature and Printed Name) [signature] Date: 6/ Time:
Received by: (Signature and Printed Name) [signature] Date: 6/8 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills Date: 6.7.01
Print Name
Signature [signature]

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010 (Halogenated Volatiles-GC)	602/8020/BTEX (Aromatic Volatiles-GC)	608/8080 (Pesticides/PCB-GC)	624/8240 (Volatiles-GC/MS)	8260 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	601/5M TPH/D (Diesel-GC)	601/5M TPH/D (Diesel-GC)	418.1 (TPH-IR)	Metals-Total (CAC-6010/6000)	PAHs 8100	Total lead	SOLID SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	28	~~VT13-0.3~~ VT13-0.3	6/7	1445												X	X							48hr	1	bag		
	30	VT13-0.9		1448												X								48hr	1	bag		
	31	VT14-0		1454			X					X		X	X									E/48hr	1	T M C		metals lead 40hr
	32	VT14-0.3		1457			X		X		X	X		X	X										1	T M C		
	33	VT14-0.9		1500			X		X		X	X		X	X										1	T M C		
	34	VT14-1.5		1503			X		X		X	X		X	X									48hr	1	bag		
	35	VT15-0		1506												X									1	bag		
	36	VT15 0.3		1507												X									1	bag		
	37	VT15 0.9		1512												X									1	bag		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

Advanced Technology Laboratories

Print Date: *7/23/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	UT15-0.3
Lab Order:	051539		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/7/01
Lab ID:	051539-036A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION			**WET/ EPA 7420**			
RunID: **AA2_010723A** BatchID: **4950**				PrepDate: **7/18/01**		Analyst: **RQ**
Lead	4.4	0.15		mg/L	1.0	7/23/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: RA

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Method Blank

Sample ID **MB-STLC** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**
MBLK SeqNo: **159963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15		0				0			

Sample ID **MB-4950** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**
MBLK SeqNo: **159964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.15	0	0	0	0	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Duplicate

Sample ID **051539-036ADU** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**

DUP SeqNo: **159967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.7	0.15	0	0	0	0	0	4.4	7	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **051539-036AMS** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**

MS SeqNo: **159968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.15	10	4.4	88	80	120	0			

Sample ID **051539-036AMS** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**

MSD SeqNo: **159969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.15	10	4.4	88	80	120	13	1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Jul-01*

CLIENT: Geocon Environmental
Work Order: 051539
Project: Oakland Mole - E8000-06-13

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-4950** Batch ID: **4950** Test Name **LEAD BY ATOMIC ABSORPTION** Units **mg/L** Analysis Date: **7/23/01** Prep Date: **7/18/01**

LCS SeqNo: **159965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.5	0.15	10	0	95	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: RA

All calculations are based on raw values.

Diane

From: Mark Hasting [hasting@geoconinc.com]
Sent: Monday, July 16, 2001 10:21 AM
To: Diane@atiglobal.com
Subject: TCLP and wet test for Oakland Mole

Diane,

Can you tell me if you can you can still run a wet test and TCLP on soil samples from the Oakland Mole ATL
job #s 051567-040A for the TCLP
adn 051539-036A for the wet

If you can, please go ahead and run them, you can either email me or call me at 925-371-5900 ex. 207

Thanks

Mark Hasting
Geocon, Livermore

June 20, 2001

Matt Hanko
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: Oakland Mole - E8000-06-13

Work Order No.: 051578

Attention: Matt Hanko

Enclosed are the results for sample(s) received on June 11, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (Livermore)
Attn: Matt Hanko
Address: 2356 Research Dr
City: Livermore State: CA Zip Code: 9
TEL: (925) 371-5900
FAX: ( ) 371-5915

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 6/8 Time: 1700
Received by: (Signature and Printed Name) Fed-Ex Date: 6/8 Time: 1700

Relinquished by: (Signature and Printed Name) [signature] Date: Time:
Received by: (Signature and Printed Name) [signature] Date: 6/11 Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/8/01
Print Name Date
Signature [signature]

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State N Zip _____

Special Instructions/Comments:
All metals and lead Analysis are 48hr TAT Rest are Standard

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (Volatiles-GC/MS) VOCs; 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH (Gasoline); 8015M TPH (Diesel-GC); TPH-G; TPH-D 8015; Total Lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL; SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCBs-GC)	8260 (Volatiles-GC/MS) VOCs	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH (Gasoline)	8015M TPH (Diesel-GC)	TPH-G	TPH-D 8015	Total Lead (6010)	SOLID • SOIL	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	31578-001	MD1-0	6/8	826	X			X		X	X			X							E/48hr	1	T	M	C
	2	MD1-0.3		830	X	X		X	X	X	X	X									E/48hr	1	T	M	C
	3	MD2-0		839									X								48hr	1	bag		
	4	MD2-0.3		841									X								48hr	1	bag		
	5	MD3-0		851	X			X		X	X										E/48hr	1	T	M	C
	6	MD3-0.3		853	X	X		X	X	X	X	X									E/48hr	1	T	M	C
	7	MD3-0.9		857	X	X		X	X	X	X	X									E/48hr	1	T	M	C
	8	MD4-0		904									X								48hr	1	bag		
	9	MD4-0.3		902									X								48hr	1	bag		
	10	MD5-0		918	X			X		X	X										E/48hr	1	T	M	C

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

• TAT starts [illegible] following day if samples r[illegible]d after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible]orkdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HN[illegible] [illegible]=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter.

CHAIN OF C[illegible]TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: Geocon (Livermore)
Attn: Matt Hanko
Address: 2356 Research Dr
City: Livermore State: CA Zip Code: 9
TEL: (925) 371-5400
FAX: ( ) 371-5915

Project Name: Oakland Mole
Project #: 28000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	6/8	1700	Fed-Ex	6/8	1700
[signature]			[signature]	6/11	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills (Print Name) 6/8/01 (Date)
[signature] (Signature)

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) VOCs; 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010/7000) Title 22; 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH/MO 8015; PAH (8100); Total Lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Metals-Total	8015M TPHG/BTEX	8015M TPH/D	TPH/MO 8015	PAH (8100)	Total Lead (6010)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	11	MD5-0.3	6/8	922	X	X		X	X	X	X	X		X							48/E	1	TMC		Lead & Metal 48hr
	12	ED1-0		938									X								48hr	1	bag		48hr
	13	ED1-0.3		940																					
	14	ED1-0.6		942																					
	15	MD6-0		943																					
	16	MD6-0.3		944																					
	17	MD6-0.6		946																					
	18	ED2-0	6/8	[illegible]	X			X		X	X	X									48hr/E	1	TMC		Lead & Metal 48hr
	19	ED2-0.3	6/21	[illegible]	X	X		X	X	X	X	X										1	S		
	~~20~~	~~ED2-0.6~~		[illegible]	X	X		X	X	X	X	X													20 Sample

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: Geocon (Livermore)
Attn: Matt Hanko
Address: 2356 Research Dr
City: Livermore State: CA Zip Code:
TEL: (925) 371-5900
FAX: ( ) 371 5915

Project Name: OAKLAND MOLE
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 6/8 Time: 1200
Received by: (Signature and Printed Name) Fed-Ex Date: 6/8 Time: 1200
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) [signature] Date: 6/11 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/8/01
Print Name Date
Signature [signature]

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested

CIRCLE APPROPRIATE MATRIX

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS) VOCs	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010/7000) Title 22	8015M TPH/DIETEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPH/MO 8015 PAHs 8100	Total Lead (6010)	SOLID SOIL SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	20 21	MD7-0	6/8	957	X			X		X	X	X		X							48hr/2	1	T M C		
	21 22	MD7-0.3		959	X	X		X	X	X	X	X										1	T M C		
	22 23	MD7-0.6		1002	X	X		X	X	X	X	X										1	T M C		
	23 24	ED3-0		958									X								48hr	1	bag		
	24 25	ED3-0.3		1000									X								48hr	1	bag		
	25 26	MD8-0		1043									X								48hr	1	bag		
	26 27	MD8-0.3		1044									X								48hr	1	bag		
	27 28	ED4-0		1039	X			X		X	X	X									48hr/2	1	T M C		
	28 29	ED4-0.3		1041	X	X		X	X	X	X	X										1	T M C		
	29 30	ED4-0.6		1045	X	X		X	X	X	X	X										1	T M C		

• TAT starts [illegible] following day if samples re[illegible] after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible]rkdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO[illegible] [illegible]=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O[illegible]H T=$Na_2S_2O_3$

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter.

CHAIN OF C TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Geocon (Livermore)
Attn: Matt Hanko
Address: 2356 Research Dr
City: Livermore State: CA Zip Code:
TEL: (925) 371-5900
FAX: (925) 371-5915

Project Name: Oakland Mole
Project #: E8000-06-183
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	6/8	1200	Fed-Ex [signature]	6/8	1200
			[signature]	6/11	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills 6/8/01
Print Name Date
[signature]
Signature

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) VOCs; 8260 (Volatiles-GC/MS) VOCs; 625 / 8270 (BNA-GC/MS) VOCs; Metals-Total (CAC-6010/7000) Title 22; 8015M TPHG/STEX (COMBINATION) Title 22; 8015M TPH/O (Diesel-GC) Title 22; TPHmo 8015; PAHs 8100; Total lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Metals-Total	8015M TPHG/STEX	8015M TPH/O	TPHmo 8015	PAHs 8100	Total lead (6010)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	REMARKS
	30 31	E23R-0	6/8	1241									X	X							48hr	1	bag	
	31 32	E23L-0		1243									X											
	32 33	E23C-0		1250									X											
	33 34	E23AL-0		1252	X	X		X	X	X	X	X									48hr/E	1	TMC	
	34 35	E23AR-0		1253																				
	35 36	E24R-0		1257																				
	36 37	E24L-0		1258																				
	37 38	E24C-0		1259																				
	38 39	E24AL-0		1330									X										bag	
	39 40	E24AR-0		1331									X										bag	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: Geocon
Attn: Matt Hanko
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 6/8 Time: 1200 Received by: (Signature and Printed Name) [signature] Fed-Ex Date: 6/8 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 6/11 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills (Print Name) 6/8/01 (Date)
[signature] (Signature)

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments: All Lead & Metals Analysis are 48hr TAT standard for Rest

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) VOCs; 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000) Title 22; 8015M TPH-G/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH/MO (8015); PAH's (8100); Total lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER _____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH-G/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPH/MO (8015)	PAH's (8100)	Total lead (6010)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	40 41	E25R-0	6/8	1325									X	X							48hr	1	bag		
	41 42	E25L-0		1326									X										bag		
	42 43	E25C-0		1330									X										bag		
	43 44	E25AL-0		1334	X	X		X	X	X	X	X									E/48hr		TMC		
	44 45	E25AR-0		1333																					
	45 46	E26R-0		1336																					
	46 47	E26C-0		1337																					
	47 48	E26L-0		1335																					
	48 49	E26AL-0		1340									X								48hr		bag		
	49 50	E26AR-0		1341									X								48hr		bag		

• TAT starts [illegible]. following day if samples r[illegible]d after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical [illegible]orkdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=[illegible] J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO[illegible] [illegible]=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O[illegible]OH T=$Na_2S_2O_3$

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter.

CHAIN OF C TODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: Geocon (Livermore)
Attn: Matt Hanko
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Oakland Mole
Project #: E8000-06-13
Sampler: (Printed Name) Travis Mills (Signature) [signature]

Relinquished by: (Signature and Printed Name) [signature] Date: 6/8 Time: 1700
Received by: (Signature and Printed Name) Fed - Ex Date: 6/8 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) [signature] Date: 6/11 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Travis Mills (Print Name) 6/8/01 (Date)
[signature] (Signature)

Send Report To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: _____ Address _____ City _____ State 22 Zip _____

Special Instructions/Comments: See page 1

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC) VOCs; 8260 (Volatiles-GC/MS) VOCs; 625 / 8270 (BNA-GC/MS) VOCs; Metals-Total (CAC-6010 / 7000) Title; 8015M TPH/G/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPHmo (8015); PAHs (8100); BTEX; SVOC; Total lead (6010)

CIRCLE APPROPRIATE MATRIX: SOLID (SOIL) • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☒ OTHER ☐

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH/G/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	TPHmo (8015)	PAHs (8100)	BTEX	SVOC	Total lead (6010)	SOLID (SOIL) • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	50	E27 L-0	6/8	1351											X	X							48 hr	1	bag		
	51	E27R-0		1352											X									1	bag		
	52	E27C-0		1353											X									1	bag		
	53	E27AL-0		1406	X	X		X	X	X	X	X											48 hr	1	T M	C	
	54	E27AR-0		1405																				1	T M	C	
	55	E28R-0		1409																				1	T M	C	
	56	E28C-0		1408																				1	T M	C	
	57	E28L-0		1407																				1	T M	C	
	58/60 58	MD9-0,1,3,X		1450	X	X		X	X	X	X	X												1	T M	C	
	61 59	MD9-W		1450		X			X	X	X		X	X				X						1	VOA LP	C	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

FAX

Date 12 JUN 01

Number of pages including cover sheet 1

TO: ATL
ADRIAN

Phone
Fax Phone

CC:

FROM: MARK HASTING

GEOCON CONSULTANTS, INC.
2356 Research Drive
Livermore, California 94550
Phone 925.371.5900
Fax Phone 925.371.5915

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please Comment

Please include:

MO15-1
MO15-3
with the samples collected on 8 June 2001

Thanks

Mark

CLIENT: Geocon Environmental
Project: Oakland Mole - E8000-06-13
Lab Order: 051578

CASE NARRATIVE

Sample MD9-W was not received by the laboratory.

Samples for PAHs were subcontracted to AETL with DOHS Cert. #1541.

Samples 051578-001A, 051578-002A, 051578-003A, 051578-004A, 051578-005A, 051578-006A, 051578-007A, 051578-010A, 051578-011A, 051578-018A, 051578-019A, 051578-020A, 051578-021A, 051578-022A, 051578-027A, 051578-028A, 051578-029A, 051578-033A, 051578-035A, 051578-036A, 051578-037A, 051578-043A, 051578-044A, 051578-045A, 051578-046A, 051578-047A, 051578-053A, 051578-054A, 051578-055A, 051578-056A, 051578-057A, 051578-058A, 051578-059A, 051578-060A, 051578-063A and 051578-064A contain hydrocarbons heavier than Diesel. Quantitation is based on a Diesel standard.

Samples 051578-001A, 051578-002A, 051578-003A, 051578-004A, 051578-005A, 051578-006A, 051578-007A, 051578-010A, 051578-011A, 051578-018A, 051578-019A, 051578-020A, 051578-021A, 051578-022A, 051578-025A, 051578-027A, 051578-028A, 051578-029A, 051578-031, 051578-032, 051578-033, 051578-034, 051578-035A, 051578-036A, 051578-037A, 051578-043A, 051578-044A, 051578-045A, 051578-046A, 051578-047A, 051578-053A, 051578-054A, 051578-055A, 051578-056A, 051578-057A, 051578-058A, 051578-059A, 051578-060A, 051578-063A and 051578-064A contain hydrocarbons within the Motor Oil range. Quantitation is based on a Motor Oil standard.

Samples 051578-001A, 051578-002A, 051539-005A, 051578-006A, 051578-007A, 051578-010A, 051578-011A, 051578-018A, 051578-019A, 051578-020A, 051578-021A, 051578-022A, 051578-027A, 051578-028A, 051578-029A, 051578-033A, 051578-034A, 051578-035A, 051578-036A, 051578-037A, 051578-043A, 051578-044A, 051578-045A, 051578-046A, 051578-047A, 051578-053A, 051578-054A, 051578-055A, 051578-056A, 051578-057A, 051578-058A, 051578-059A, 051578-060A, 051578-063A and 051578-064A were diluted for Method 8081/8082, due to matrix interference.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD1-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:26:00 AM
Lab ID:	051578-001A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD1-0.3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 8:30:00 AM
Lab ID: 051578-002A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/13/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/13/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/13/01
Aldrin	ND	10		µg/Kg	5.0	6/13/01
alpha-BHC	ND	10		µg/Kg	5.0	6/13/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/13/01
beta-BHC	ND	10		µg/Kg	5.0	6/13/01
Chlordane	ND	85		µg/Kg	5.0	6/13/01
delta-BHC	ND	10		µg/Kg	5.0	6/13/01
Dieldrin	ND	20		µg/Kg	5.0	6/13/01
Endosulfan I	ND	10		µg/Kg	5.0	6/13/01
Endosulfan II	ND	20		µg/Kg	5.0	6/13/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/13/01
Endrin	ND	20		µg/Kg	5.0	6/13/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/13/01
Endrin ketone	ND	20		µg/Kg	5.0	6/13/01
gamma-BHC	ND	10		µg/Kg	5.0	6/13/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/13/01
Heptachlor	ND	10		µg/Kg	5.0	6/13/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/13/01
Methoxychlor	ND	85		µg/Kg	5.0	6/13/01
Toxaphene	ND	850		µg/Kg	5.0	6/13/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/13/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/13/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ___

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:51:00 AM
Lab ID:	051578-005A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/13/01
4,4'-DDE	ND	40		µg/Kg	10	6/13/01
4,4'-DDT	ND	40		µg/Kg	10	6/13/01
Aldrin	ND	20		µg/Kg	10	6/13/01
alpha-BHC	ND	20		µg/Kg	10	6/13/01
alpha-Chlordane	ND	40		µg/Kg	10	6/13/01
beta-BHC	ND	20		µg/Kg	10	6/13/01
Chlordane	ND	170		µg/Kg	10	6/13/01
delta-BHC	ND	20		µg/Kg	10	6/13/01
Dieldrin	ND	40		µg/Kg	10	6/13/01
Endosulfan I	ND	20		µg/Kg	10	6/13/01
Endosulfan II	ND	40		µg/Kg	10	6/13/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/13/01
Endrin	ND	40		µg/Kg	10	6/13/01
Endrin aldehyde	ND	40		µg/Kg	10	6/13/01
Endrin ketone	ND	40		µg/Kg	10	6/13/01
gamma-BHC	ND	20		µg/Kg	10	6/13/01
gamma-Chlordane	ND	40		µg/Kg	10	6/13/01
Heptachlor	ND	20		µg/Kg	10	6/13/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/13/01
Methoxychlor	ND	170		µg/Kg	10	6/13/01
Toxaphene	ND	1700		µg/Kg	10	6/13/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/13/01
Aroclor 1221	ND	670		µg/Kg	10	6/13/01
Aroclor 1232	ND	330		µg/Kg	10	6/13/01
Aroclor 1242	ND	330		µg/Kg	10	6/13/01
Aroclor 1248	ND	330		µg/Kg	10	6/13/01
Aroclor 1254	ND	330		µg/Kg	10	6/13/01
Aroclor 1260	ND	330		µg/Kg	10	6/13/01
Aroclor 1262	ND	330		µg/Kg	10	6/13/01
Aroclor 1268	ND	330		µg/Kg	10	6/13/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:53:00 AM
Lab ID:	051578-006A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/13/01
4,4'-DDE	ND	40		µg/Kg	10	6/13/01
4,4'-DDT	ND	40		µg/Kg	10	6/13/01
Aldrin	ND	20		µg/Kg	10	6/13/01
alpha-BHC	ND	20		µg/Kg	10	6/13/01
alpha-Chlordane	ND	40		µg/Kg	10	6/13/01
beta-BHC	ND	20		µg/Kg	10	6/13/01
Chlordane	ND	170		µg/Kg	10	6/13/01
delta-BHC	ND	20		µg/Kg	10	6/13/01
Dieldrin	ND	40		µg/Kg	10	6/13/01
Endosulfan I	ND	20		µg/Kg	10	6/13/01
Endosulfan II	ND	40		µg/Kg	10	6/13/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/13/01
Endrin	ND	40		µg/Kg	10	6/13/01
Endrin aldehyde	ND	40		µg/Kg	10	6/13/01
Endrin ketone	ND	40		µg/Kg	10	6/13/01
gamma-BHC	ND	20		µg/Kg	10	6/13/01
gamma-Chlordane	ND	40		µg/Kg	10	6/13/01
Heptachlor	ND	20		µg/Kg	10	6/13/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/13/01
Methoxychlor	ND	170		µg/Kg	10	6/13/01
Toxaphene	ND	1700		µg/Kg	10	6/13/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/13/01
Aroclor 1221	ND	670		µg/Kg	10	6/13/01
Aroclor 1232	ND	330		µg/Kg	10	6/13/01
Aroclor 1242	ND	330		µg/Kg	10	6/13/01
Aroclor 1248	ND	330		µg/Kg	10	6/13/01
Aroclor 1254	ND	330		µg/Kg	10	6/13/01
Aroclor 1260	ND	330		µg/Kg	10	6/13/01
Aroclor 1262	ND	330		µg/Kg	10	6/13/01
Aroclor 1268	ND	330		µg/Kg	10	6/13/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0.9
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:57:00 AM
Lab ID:	051578-007A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	80		µg/Kg	20	6/13/01
4,4'-DDE	ND	80		µg/Kg	20	6/13/01
4,4'-DDT	ND	80		µg/Kg	20	6/13/01
Aldrin	ND	40		µg/Kg	20	6/13/01
alpha-BHC	ND	40		µg/Kg	20	6/13/01
alpha-Chlordane	ND	80		µg/Kg	20	6/13/01
beta-BHC	ND	40		µg/Kg	20	6/13/01
Chlordane	ND	340		µg/Kg	20	6/13/01
delta-BHC	ND	40		µg/Kg	20	6/13/01
Dieldrin	ND	80		µg/Kg	20	6/13/01
Endosulfan I	ND	40		µg/Kg	20	6/13/01
Endosulfan II	ND	80		µg/Kg	20	6/13/01
Endosulfan sulfate	ND	80		µg/Kg	20	6/13/01
Endrin	ND	80		µg/Kg	20	6/13/01
Endrin aldehyde	ND	80		µg/Kg	20	6/13/01
Endrin ketone	ND	80		µg/Kg	20	6/13/01
gamma-BHC	ND	40		µg/Kg	20	6/13/01
gamma-Chlordane	ND	80		µg/Kg	20	6/13/01
Heptachlor	ND	40		µg/Kg	20	6/13/01
Heptachlor epoxide	ND	40		µg/Kg	20	6/13/01
Methoxychlor	ND	340		µg/Kg	20	6/13/01
Toxaphene	ND	3400		µg/Kg	20	6/13/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	660		µg/Kg	20	6/13/01
Aroclor 1221	ND	1300		µg/Kg	20	6/13/01
Aroclor 1232	ND	660		µg/Kg	20	6/13/01
Aroclor 1242	ND	660		µg/Kg	20	6/13/01
Aroclor 1248	ND	660		µg/Kg	20	6/13/01
Aroclor 1254	ND	660		µg/Kg	20	6/13/01
Aroclor 1260	ND	660		µg/Kg	20	6/13/01
Aroclor 1262	ND	660		µg/Kg	20	6/13/01
Aroclor 1268	ND	660		µg/Kg	20	6/13/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD5-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 9:18:00 AM
Lab ID:	051578-010A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD5-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 9:22:00 AM
Lab ID:	051578-011A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A**	BatchID: **4567**			PrepDate: **6/12/01**		Analyst: **GG**
4,4´-DDD	ND	40		µg/Kg	10	6/15/01
4,4´-DDE	ND	40		µg/Kg	10	6/15/01
4,4´-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A**	BatchID: **4567**			PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	ND	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: (0

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: ED2-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 10:18:00 AM
Lab ID: 051578-018A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-019A

Client Sample ID: ED2-0.3
Collection Date: 6/8/01 10:21:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD				**EPA 8081A**		
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/16/01
4,4'-DDE	ND	40		µg/Kg	10	6/16/01
4,4'-DDT	ND	40		µg/Kg	10	6/16/01
Aldrin	ND	20		µg/Kg	10	6/16/01
alpha-BHC	ND	20		µg/Kg	10	6/16/01
alpha-Chlordane	ND	40		µg/Kg	10	6/16/01
beta-BHC	ND	20		µg/Kg	10	6/16/01
Chlordane	ND	170		µg/Kg	10	6/16/01
delta-BHC	ND	20		µg/Kg	10	6/16/01
Dieldrin	ND	40		µg/Kg	10	6/16/01
Endosulfan I	ND	20		µg/Kg	10	6/16/01
Endosulfan II	ND	40		µg/Kg	10	6/16/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/16/01
Endrin	ND	40		µg/Kg	10	6/16/01
Endrin aldehyde	ND	40		µg/Kg	10	6/16/01
Endrin ketone	ND	40		µg/Kg	10	6/16/01
gamma-BHC	ND	20		µg/Kg	10	6/16/01
gamma-Chlordane	ND	40		µg/Kg	10	6/16/01
Heptachlor	ND	20		µg/Kg	10	6/16/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/16/01
Methoxychlor	ND	170		µg/Kg	10	6/16/01
Toxaphene	ND	1700		µg/Kg	10	6/16/01
PCB BY GC/ECD				**EPA 8082**		
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/16/01
Aroclor 1221	ND	670		µg/Kg	10	6/16/01
Aroclor 1232	ND	330		µg/Kg	10	6/16/01
Aroclor 1242	ND	330		µg/Kg	10	6/16/01
Aroclor 1248	ND	330		µg/Kg	10	6/16/01
Aroclor 1254	ND	330		µg/Kg	10	6/16/01
Aroclor 1260	ND	330		µg/Kg	10	6/16/01
Aroclor 1262	ND	330		µg/Kg	10	6/16/01
Aroclor 1268	ND	330		µg/Kg	10	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD7-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 9:57:00 AM
Lab ID:	051578-020A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/13/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/13/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/13/01
Aldrin	ND	10		µg/Kg	5.0	6/13/01
alpha-BHC	ND	10		µg/Kg	5.0	6/13/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/13/01
beta-BHC	ND	10		µg/Kg	5.0	6/13/01
Chlordane	ND	85		µg/Kg	5.0	6/13/01
delta-BHC	ND	10		µg/Kg	5.0	6/13/01
Dieldrin	ND	20		µg/Kg	5.0	6/13/01
Endosulfan I	ND	10		µg/Kg	5.0	6/13/01
Endosulfan II	ND	20		µg/Kg	5.0	6/13/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/13/01
Endrin	ND	20		µg/Kg	5.0	6/13/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/13/01
Endrin ketone	ND	20		µg/Kg	5.0	6/13/01
gamma-BHC	ND	10		µg/Kg	5.0	6/13/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/13/01
Heptachlor	ND	10		µg/Kg	5.0	6/13/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/13/01
Methoxychlor	ND	85		µg/Kg	5.0	6/13/01
Toxaphene	ND	850		µg/Kg	5.0	6/13/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010612A** BatchID: **4554**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/13/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/13/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/13/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD7-0.3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 9:59:00 AM
Lab ID: 051578-021A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4´-DDD	ND	20		µg/Kg	5.0	6/16/01
4,4´-DDE	ND	20		µg/Kg	5.0	6/16/01
4,4´-DDT	24	20		µg/Kg	5.0	6/16/01
Aldrin	ND	10		µg/Kg	5.0	6/16/01
alpha-BHC	ND	10		µg/Kg	5.0	6/16/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/16/01
beta-BHC	ND	10		µg/Kg	5.0	6/16/01
Chlordane	ND	85		µg/Kg	5.0	6/16/01
delta-BHC	ND	10		µg/Kg	5.0	6/16/01
Dieldrin	ND	20		µg/Kg	5.0	6/16/01
Endosulfan I	ND	10		µg/Kg	5.0	6/16/01
Endosulfan II	ND	20		µg/Kg	5.0	6/16/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/16/01
Endrin	ND	20		µg/Kg	5.0	6/16/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/16/01
Endrin ketone	ND	20		µg/Kg	5.0	6/16/01
gamma-BHC	ND	10		µg/Kg	5.0	6/16/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/16/01
Heptachlor	ND	10		µg/Kg	5.0	6/16/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/16/01
Methoxychlor	ND	85		µg/Kg	5.0	6/16/01
Toxaphene	ND	850		µg/Kg	5.0	6/16/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/16/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/16/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD7-0.6
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 10:02:00 AM
Lab ID: 051578-022A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/16/01
4,4'-DDE	ND	40		µg/Kg	10	6/16/01
4,4'-DDT	ND	40		µg/Kg	10	6/16/01
Aldrin	ND	20		µg/Kg	10	6/16/01
alpha-BHC	ND	20		µg/Kg	10	6/16/01
alpha-Chlordane	ND	40		µg/Kg	10	6/16/01
beta-BHC	ND	20		µg/Kg	10	6/16/01
Chlordane	ND	170		µg/Kg	10	6/16/01
delta-BHC	ND	20		µg/Kg	10	6/16/01
Dieldrin	ND	40		µg/Kg	10	6/16/01
Endosulfan I	ND	20		µg/Kg	10	6/16/01
Endosulfan II	ND	40		µg/Kg	10	6/16/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/16/01
Endrin	ND	40		µg/Kg	10	6/16/01
Endrin aldehyde	ND	40		µg/Kg	10	6/16/01
Endrin ketone	ND	40		µg/Kg	10	6/16/01
gamma-BHC	ND	20		µg/Kg	10	6/16/01
gamma-Chlordane	ND	40		µg/Kg	10	6/16/01
Heptachlor	ND	20		µg/Kg	10	6/16/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/16/01
Methoxychlor	ND	170		µg/Kg	10	6/16/01
Toxaphene	ND	1700		µg/Kg	10	6/16/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/16/01
Aroclor 1221	ND	670		µg/Kg	10	6/16/01
Aroclor 1232	ND	330		µg/Kg	10	6/16/01
Aroclor 1242	ND	330		µg/Kg	10	6/16/01
Aroclor 1248	ND	330		µg/Kg	10	6/16/01
Aroclor 1254	ND	330		µg/Kg	10	6/16/01
Aroclor 1260	ND	330		µg/Kg	10	6/16/01
Aroclor 1262	ND	330		µg/Kg	10	6/16/01
Aroclor 1268	ND	330		µg/Kg	10	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:39:00 AM
Lab ID:	051578-027A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/15/01
4,4'-DDE	ND	40		µg/Kg	10	6/15/01
4,4'-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	ND	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: D

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:41:00 AM
Lab ID:	051578-028A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A**	BatchID: **4567**			PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/16/01
4,4'-DDE	ND	40		µg/Kg	10	6/16/01
4,4'-DDT	ND	40		µg/Kg	10	6/16/01
Aldrin	ND	20		µg/Kg	10	6/16/01
alpha-BHC	ND	20		µg/Kg	10	6/16/01
alpha-Chlordane	ND	40		µg/Kg	10	6/16/01
beta-BHC	ND	20		µg/Kg	10	6/16/01
Chlordane	ND	170		µg/Kg	10	6/16/01
delta-BHC	ND	20		µg/Kg	10	6/16/01
Dieldrin	ND	40		µg/Kg	10	6/16/01
Endosulfan I	ND	20		µg/Kg	10	6/16/01
Endosulfan II	ND	40		µg/Kg	10	6/16/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/16/01
Endrin	ND	40		µg/Kg	10	6/16/01
Endrin aldehyde	ND	40		µg/Kg	10	6/16/01
Endrin ketone	ND	40		µg/Kg	10	6/16/01
gamma-BHC	ND	20		µg/Kg	10	6/16/01
gamma-Chlordane	ND	40		µg/Kg	10	6/16/01
Heptachlor	ND	20		µg/Kg	10	6/16/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/16/01
Methoxychlor	ND	170		µg/Kg	10	6/16/01
Toxaphene	ND	1700		µg/Kg	10	6/16/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A**	BatchID: **4567**			PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/16/01
Aroclor 1221	ND	670		µg/Kg	10	6/16/01
Aroclor 1232	ND	330		µg/Kg	10	6/16/01
Aroclor 1242	ND	330		µg/Kg	10	6/16/01
Aroclor 1248	ND	330		µg/Kg	10	6/16/01
Aroclor 1254	ND	330		µg/Kg	10	6/16/01
Aroclor 1260	ND	330		µg/Kg	10	6/16/01
Aroclor 1262	ND	330		µg/Kg	10	6/16/01
Aroclor 1268	ND	330		µg/Kg	10	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: ED4-0.6
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 10:45:00 AM
Lab ID: 051578-029A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/16/01
4,4'-DDE	ND	40		µg/Kg	10	6/16/01
4,4'-DDT	ND	40		µg/Kg	10	6/16/01
Aldrin	ND	20		µg/Kg	10	6/16/01
alpha-BHC	ND	20		µg/Kg	10	6/16/01
alpha-Chlordane	ND	40		µg/Kg	10	6/16/01
beta-BHC	ND	20		µg/Kg	10	6/16/01
Chlordane	ND	170		µg/Kg	10	6/16/01
delta-BHC	ND	20		µg/Kg	10	6/16/01
Dieldrin	ND	40		µg/Kg	10	6/16/01
Endosulfan I	ND	20		µg/Kg	10	6/16/01
Endosulfan II	ND	40		µg/Kg	10	6/16/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/16/01
Endrin	ND	40		µg/Kg	10	6/16/01
Endrin aldehyde	ND	40		µg/Kg	10	6/16/01
Endrin ketone	ND	40		µg/Kg	10	6/16/01
gamma-BHC	ND	20		µg/Kg	10	6/16/01
gamma-Chlordane	ND	40		µg/Kg	10	6/16/01
Heptachlor	ND	20		µg/Kg	10	6/16/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/16/01
Methoxychlor	ND	170		µg/Kg	10	6/16/01
Toxaphene	ND	1700		µg/Kg	10	6/16/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/16/01
Aroclor 1221	ND	670		µg/Kg	10	6/16/01
Aroclor 1232	ND	330		µg/Kg	10	6/16/01
Aroclor 1242	ND	330		µg/Kg	10	6/16/01
Aroclor 1248	ND	330		µg/Kg	10	6/16/01
Aroclor 1254	ND	330		µg/Kg	10	6/16/01
Aroclor 1260	ND	330		µg/Kg	10	6/16/01
Aroclor 1262	ND	330		µg/Kg	10	6/16/01
Aroclor 1268	ND	330		µg/Kg	10	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: E23AL-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 12:52:00 PM
Lab ID: 051578-033A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/16/01
4,4'-DDE	ND	40		µg/Kg	10	6/16/01
4,4'-DDT	ND	40		µg/Kg	10	6/16/01
Aldrin	ND	20		µg/Kg	10	6/16/01
alpha-BHC	ND	20		µg/Kg	10	6/16/01
alpha-Chlordane	ND	40		µg/Kg	10	6/16/01
beta-BHC	ND	20		µg/Kg	10	6/16/01
Chlordane	ND	170		µg/Kg	10	6/16/01
delta-BHC	ND	20		µg/Kg	10	6/16/01
Dieldrin	ND	40		µg/Kg	10	6/16/01
Endosulfan I	ND	20		µg/Kg	10	6/16/01
Endosulfan II	ND	40		µg/Kg	10	6/16/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/16/01
Endrin	ND	40		µg/Kg	10	6/16/01
Endrin aldehyde	ND	40		µg/Kg	10	6/16/01
Endrin ketone	ND	40		µg/Kg	10	6/16/01
gamma-BHC	ND	20		µg/Kg	10	6/16/01
gamma-Chlordane	ND	40		µg/Kg	10	6/16/01
Heptachlor	ND	20		µg/Kg	10	6/16/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/16/01
Methoxychlor	ND	170		µg/Kg	10	6/16/01
Toxaphene	ND	1700		µg/Kg	10	6/16/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010614A** BatchID: **4567**				PrepDate: **6/12/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/16/01
Aroclor 1221	ND	670		µg/Kg	10	6/16/01
Aroclor 1232	ND	330		µg/Kg	10	6/16/01
Aroclor 1242	ND	330		µg/Kg	10	6/16/01
Aroclor 1248	ND	330		µg/Kg	10	6/16/01
Aroclor 1254	ND	330		µg/Kg	10	6/16/01
Aroclor 1260	ND	330		µg/Kg	10	6/16/01
Aroclor 1262	430	330		µg/Kg	10	6/16/01
Aroclor 1268	ND	330		µg/Kg	10	6/16/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: E23AR-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 12:53:00 PM
Lab ID: 051578-034A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/15/01
4,4'-DDE	ND	40		µg/Kg	10	6/15/01
4,4'-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	ND	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24R-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:57:00 PM
Lab ID:	051578-035A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A**	BatchID: **4604**			PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/15/01
4,4'-DDE	ND	40		µg/Kg	10	6/15/01
4,4'-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A**	BatchID: **4604**			PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	ND	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: E24L-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 12:58:00 PM
Lab ID: 051578-036A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24C-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:59:00 PM
Lab ID:	051578-037A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/15/01
4,4'-DDE	ND	40		µg/Kg	10	6/15/01
4,4'-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	480	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AL-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:34:00 PM
Lab ID:	051578-043A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:33:00 PM
Lab ID:	051578-044A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-045A

Client Sample ID: E26R-0
Collection Date: 6/8/01 1:36:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	40		µg/Kg	10	6/15/01
4,4'-DDE	ND	40		µg/Kg	10	6/15/01
4,4'-DDT	ND	40		µg/Kg	10	6/15/01
Aldrin	ND	20		µg/Kg	10	6/15/01
alpha-BHC	ND	20		µg/Kg	10	6/15/01
alpha-Chlordane	ND	40		µg/Kg	10	6/15/01
beta-BHC	ND	20		µg/Kg	10	6/15/01
Chlordane	ND	170		µg/Kg	10	6/15/01
delta-BHC	ND	20		µg/Kg	10	6/15/01
Dieldrin	ND	40		µg/Kg	10	6/15/01
Endosulfan I	ND	20		µg/Kg	10	6/15/01
Endosulfan II	ND	40		µg/Kg	10	6/15/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/15/01
Endrin	ND	40		µg/Kg	10	6/15/01
Endrin aldehyde	ND	40		µg/Kg	10	6/15/01
Endrin ketone	ND	40		µg/Kg	10	6/15/01
gamma-BHC	ND	20		µg/Kg	10	6/15/01
gamma-Chlordane	ND	40		µg/Kg	10	6/15/01
Heptachlor	ND	20		µg/Kg	10	6/15/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/15/01
Methoxychlor	ND	170		µg/Kg	10	6/15/01
Toxaphene	ND	1700		µg/Kg	10	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/15/01
Aroclor 1221	ND	670		µg/Kg	10	6/15/01
Aroclor 1232	ND	330		µg/Kg	10	6/15/01
Aroclor 1242	ND	330		µg/Kg	10	6/15/01
Aroclor 1248	ND	330		µg/Kg	10	6/15/01
Aroclor 1254	ND	330		µg/Kg	10	6/15/01
Aroclor 1260	ND	330		µg/Kg	10	6/15/01
Aroclor 1262	ND	330		µg/Kg	10	6/15/01
Aroclor 1268	ND	330		µg/Kg	10	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: R

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E26C-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:37:00 PM
Lab ID:	051578-046A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A**	BatchID: **4604**			PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A**	BatchID: **4604**			PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: G

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E26L-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:35:00 PM
Lab ID:	051578-047A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
4,4´-DDD	ND	20		µg/Kg	5.0	6/15/01
4,4´-DDE	ND	20		µg/Kg	5.0	6/15/01
4,4´-DDT	ND	20		µg/Kg	5.0	6/15/01
Aldrin	ND	10		µg/Kg	5.0	6/15/01
alpha-BHC	ND	10		µg/Kg	5.0	6/15/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/15/01
beta-BHC	ND	10		µg/Kg	5.0	6/15/01
Chlordane	ND	85		µg/Kg	5.0	6/15/01
delta-BHC	ND	10		µg/Kg	5.0	6/15/01
Dieldrin	ND	20		µg/Kg	5.0	6/15/01
Endosulfan I	ND	10		µg/Kg	5.0	6/15/01
Endosulfan II	ND	20		µg/Kg	5.0	6/15/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/15/01
Endrin	ND	20		µg/Kg	5.0	6/15/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/15/01
Endrin ketone	ND	20		µg/Kg	5.0	6/15/01
gamma-BHC	ND	10		µg/Kg	5.0	6/15/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/15/01
Heptachlor	ND	10		µg/Kg	5.0	6/15/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/15/01
Methoxychlor	ND	85		µg/Kg	5.0	6/15/01
Toxaphene	ND	850		µg/Kg	5.0	6/15/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC10_010614A** BatchID: **4604**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/15/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/15/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: (B)

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: E27AL-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 2:06:00 PM
Lab ID: 051578-053A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/18/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/18/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ___

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E27AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 2:05:00 PM
Lab ID:	051578-054A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDE	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDT	36	8.0		µg/Kg	2.0	6/17/01
Aldrin	ND	4.0		µg/Kg	2.0	6/17/01
alpha-BHC	ND	4.0		µg/Kg	2.0	6/17/01
alpha-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
beta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Chlordane	ND	34		µg/Kg	2.0	6/17/01
delta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Dieldrin	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan I	ND	4.0		µg/Kg	2.0	6/17/01
Endosulfan II	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan sulfate	ND	8.0		µg/Kg	2.0	6/17/01
Endrin	ND	8.0		µg/Kg	2.0	6/17/01
Endrin aldehyde	ND	8.0		µg/Kg	2.0	6/17/01
Endrin ketone	ND	8.0		µg/Kg	2.0	6/17/01
gamma-BHC	ND	4.0		µg/Kg	2.0	6/17/01
gamma-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
Heptachlor	ND	4.0		µg/Kg	2.0	6/17/01
Heptachlor epoxide	ND	4.0		µg/Kg	2.0	6/17/01
Methoxychlor	ND	34		µg/Kg	2.0	6/17/01
Toxaphene	ND	340		µg/Kg	2.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1221	ND	130		µg/Kg	2.0	6/18/01
Aroclor 1232	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1242	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1248	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1254	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1260	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1262	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1268	ND	66		µg/Kg	2.0	6/18/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E28R-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 2:09:00 PM
Lab ID:	051578-055A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	50	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/18/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/18/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/18/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E28C-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 2:08:00 PM
Lab ID:	051578-056A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDE	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDT	ND	8.0		µg/Kg	2.0	6/17/01
Aldrin	ND	4.0		µg/Kg	2.0	6/17/01
alpha-BHC	ND	4.0		µg/Kg	2.0	6/17/01
alpha-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
beta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Chlordane	ND	34		µg/Kg	2.0	6/17/01
delta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Dieldrin	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan I	ND	4.0		µg/Kg	2.0	6/17/01
Endosulfan II	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan sulfate	ND	8.0		µg/Kg	2.0	6/17/01
Endrin	ND	8.0		µg/Kg	2.0	6/17/01
Endrin aldehyde	ND	8.0		µg/Kg	2.0	6/17/01
Endrin ketone	ND	8.0		µg/Kg	2.0	6/17/01
gamma-BHC	ND	4.0		µg/Kg	2.0	6/17/01
gamma-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
Heptachlor	ND	4.0		µg/Kg	2.0	6/17/01
Heptachlor epoxide	ND	4.0		µg/Kg	2.0	6/17/01
Methoxychlor	ND	34		µg/Kg	2.0	6/17/01
Toxaphene	ND	340		µg/Kg	2.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1221	ND	130		µg/Kg	2.0	6/18/01
Aroclor 1232	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1242	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1248	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1254	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1260	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1262	ND	66		µg/Kg	2.0	6/18/01
Aroclor 1268	ND	66		µg/Kg	2.0	6/18/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-057A

Client Sample ID: E28L-0
Collection Date: 6/8/01 2:07:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDE	ND	8.0		µg/Kg	2.0	6/17/01
4,4'-DDT	ND	8.0		µg/Kg	2.0	6/17/01
Aldrin	ND	4.0		µg/Kg	2.0	6/17/01
alpha-BHC	ND	4.0		µg/Kg	2.0	6/17/01
alpha-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
beta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Chlordane	ND	34		µg/Kg	2.0	6/17/01
delta-BHC	ND	4.0		µg/Kg	2.0	6/17/01
Dieldrin	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan I	ND	4.0		µg/Kg	2.0	6/17/01
Endosulfan II	ND	8.0		µg/Kg	2.0	6/17/01
Endosulfan sulfate	ND	8.0		µg/Kg	2.0	6/17/01
Endrin	ND	8.0		µg/Kg	2.0	6/17/01
Endrin aldehyde	ND	8.0		µg/Kg	2.0	6/17/01
Endrin ketone	ND	8.0		µg/Kg	2.0	6/17/01
gamma-BHC	ND	4.0		µg/Kg	2.0	6/17/01
gamma-Chlordane	ND	8.0		µg/Kg	2.0	6/17/01
Heptachlor	ND	4.0		µg/Kg	2.0	6/17/01
Heptachlor epoxide	ND	4.0		µg/Kg	2.0	6/17/01
Methoxychlor	ND	34		µg/Kg	2.0	6/17/01
Toxaphene	ND	340		µg/Kg	2.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1221	ND	130		µg/Kg	2.0	6/19/01
Aroclor 1232	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1242	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1248	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1254	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1260	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1262	ND	66		µg/Kg	2.0	6/19/01
Aroclor 1268	ND	66		µg/Kg	2.0	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: D

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD9-0
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 2:50:00 PM
Lab ID: 051578-058A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/19/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD9-1
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 2:50:00 PM
Lab ID:	051578-059A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A**	BatchID: **4605**			PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B**	BatchID: **4605**			PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/19/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-060A

Client Sample ID: MD9-3
Collection Date: 6/8/01 2:50:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD				**EPA 8081A**		
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4´-DDD	ND	40		µg/Kg	10	6/17/01
4,4´-DDE	ND	40		µg/Kg	10	6/17/01
4,4´-DDT	ND	40		µg/Kg	10	6/17/01
Aldrin	ND	20		µg/Kg	10	6/17/01
alpha-BHC	ND	20		µg/Kg	10	6/17/01
alpha-Chlordane	ND	40		µg/Kg	10	6/17/01
beta-BHC	ND	20		µg/Kg	10	6/17/01
Chlordane	ND	170		µg/Kg	10	6/17/01
delta-BHC	ND	20		µg/Kg	10	6/17/01
Dieldrin	ND	40		µg/Kg	10	6/17/01
Endosulfan I	ND	20		µg/Kg	10	6/17/01
Endosulfan II	ND	40		µg/Kg	10	6/17/01
Endosulfan sulfate	ND	40		µg/Kg	10	6/17/01
Endrin	ND	40		µg/Kg	10	6/17/01
Endrin aldehyde	ND	40		µg/Kg	10	6/17/01
Endrin ketone	ND	40		µg/Kg	10	6/17/01
gamma-BHC	ND	20		µg/Kg	10	6/17/01
gamma-Chlordane	ND	40		µg/Kg	10	6/17/01
Heptachlor	ND	20		µg/Kg	10	6/17/01
Heptachlor epoxide	ND	20		µg/Kg	10	6/17/01
Methoxychlor	ND	170		µg/Kg	10	6/17/01
Toxaphene	ND	1700		µg/Kg	10	6/17/01
PCB BY GC/ECD				**EPA 8082**		
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	330		µg/Kg	10	6/19/01
Aroclor 1221	ND	670		µg/Kg	10	6/19/01
Aroclor 1232	ND	330		µg/Kg	10	6/19/01
Aroclor 1242	ND	330		µg/Kg	10	6/19/01
Aroclor 1248	ND	330		µg/Kg	10	6/19/01
Aroclor 1254	ND	330		µg/Kg	10	6/19/01
Aroclor 1260	ND	330		µg/Kg	10	6/19/01
Aroclor 1262	ND	330		µg/Kg	10	6/19/01
Aroclor 1268	ND	330		µg/Kg	10	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD15-1
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01
Lab ID: 051578-063A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/19/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD15-3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01
Lab ID: 051578-064A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC10_010616A** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
4,4'-DDD	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDE	ND	20		µg/Kg	5.0	6/17/01
4,4'-DDT	ND	20		µg/Kg	5.0	6/17/01
Aldrin	ND	10		µg/Kg	5.0	6/17/01
alpha-BHC	ND	10		µg/Kg	5.0	6/17/01
alpha-Chlordane	ND	20		µg/Kg	5.0	6/17/01
beta-BHC	ND	10		µg/Kg	5.0	6/17/01
Chlordane	ND	85		µg/Kg	5.0	6/17/01
delta-BHC	ND	10		µg/Kg	5.0	6/17/01
Dieldrin	ND	20		µg/Kg	5.0	6/17/01
Endosulfan I	ND	10		µg/Kg	5.0	6/17/01
Endosulfan II	ND	20		µg/Kg	5.0	6/17/01
Endosulfan sulfate	ND	20		µg/Kg	5.0	6/17/01
Endrin	ND	20		µg/Kg	5.0	6/17/01
Endrin aldehyde	ND	20		µg/Kg	5.0	6/17/01
Endrin ketone	ND	20		µg/Kg	5.0	6/17/01
gamma-BHC	ND	10		µg/Kg	5.0	6/17/01
gamma-Chlordane	ND	20		µg/Kg	5.0	6/17/01
Heptachlor	ND	10		µg/Kg	5.0	6/17/01
Heptachlor epoxide	ND	10		µg/Kg	5.0	6/17/01
Methoxychlor	ND	85		µg/Kg	5.0	6/17/01
Toxaphene	ND	850		µg/Kg	5.0	6/17/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC5_010618B** BatchID: **4605**				PrepDate: **6/14/01**		Analyst: **GG**
Aroclor 1016	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1221	ND	340		µg/Kg	5.0	6/19/01
Aroclor 1232	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1242	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1248	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1254	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1260	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1262	ND	160		µg/Kg	5.0	6/19/01
Aroclor 1268	ND	160		µg/Kg	5.0	6/19/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: CR

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD1-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:30:00 AM
Lab ID:	051578-002A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614A** BatchID: **P01VOCS092** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD1-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:30:00 AM
Lab ID:	051578-002A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD3-0.3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 8:53:00 AM
Lab ID: 051578-006A
Matrix: Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:53:00 AM
Lab ID:	051578-006A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: P

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0.9
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:57:00 AM
Lab ID:	051578-007A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614A** BatchID: **P01VOCS092** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD3-0.9
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 8:57:00 AM
Lab ID:	051578-007A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD5-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 9:22:00 AM
Lab ID:	051578-011A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614A** BatchID: **P01VOCS092** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: B

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD5-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 9:22:00 AM
Lab ID:	051578-011A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED2-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:21:00 AM
Lab ID:	051578-019A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614A** BatchID: **P01VOCS092** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-019A

Client Sample ID: ED2-0.3
Collection Date: 6/8/01 10:21:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A** BatchID: **P01VOCS092**			PrepDate:			Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ___

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD7-0.3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 9:59:00 AM
Lab ID: 051578-021A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**		PrepDate:			Analyst: **JPC**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Client Sample ID: MD7-0.3
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Collection Date: 6/8/01 9:59:00 AM
Lab ID: 051578-021A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A** BatchID: **P01VOCS092**			PrepDate:			Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD7-0.6
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:02:00 AM
Lab ID:	051578-022A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**			PrepDate:		Analyst: **JPC**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MD7-0.6
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:02:00 AM
Lab ID:	051578-022A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614A**	BatchID: **P01VOCS092**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:41:00 AM
Lab ID:	051578-028A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0.3
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:41:00 AM
Lab ID:	051578-028A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**		PrepDate:			Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0.6
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:45:00 AM
Lab ID:	051578-029A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	ED4-0.6
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 10:45:00 AM
Lab ID:	051578-029A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: R

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT: Geocon Environmental
Lab Order: 051578
Project: Oakland Mole - E8000-06-13
Lab ID: 051578-033A

Client Sample ID: E23AL-0
Collection Date: 6/8/01 12:52:00 PM
Matrix: Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E23AL-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:52:00 PM
Lab ID:	051578-033A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**		PrepDate:			Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E23AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:53:00 PM
Lab ID:	051578-034A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E23AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:53:00 PM
Lab ID:	051578-034A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24R-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:57:00 PM
Lab ID:	051578-035A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24R-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:57:00 PM
Lab ID:	051578-035A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24L-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:58:00 PM
Lab ID:	051578-036A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010615A** BatchID: **P01VOCS094** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/15/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/15/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/15/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/15/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/15/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/15/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/15/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/15/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/15/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/15/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/15/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/15/01
Benzene	ND	5.0		µg/Kg	1.0	6/15/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/15/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/15/01
Bromoform	ND	5.0		µg/Kg	1.0	6/15/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/15/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/15/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/15/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/15/01
Chloroform	ND	5.0		µg/Kg	1.0	6/15/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/15/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/15/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/15/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/15/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24L-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:58:00 PM
Lab ID:	051578-036A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010615A** BatchID: **P01VOCS094** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/15/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/15/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/15/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/15/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/15/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/15/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
Styrene	ND	5.0		µg/Kg	1.0	6/15/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/15/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/15/01
Toluene	ND	5.0		µg/Kg	1.0	6/15/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/15/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/15/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/15/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/15/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24C-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:59:00 PM
Lab ID:	051578-037A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E24C-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 12:59:00 PM
Lab ID:	051578-037A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AL-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:34:00 PM
Lab ID:	051578-043A	**Matrix:**	Soil

VOLATILE ORGANIC COMPOUNDS BY GC/MS **EPA 8260B**

RunID: **MS1_010614B** BatchID: **P01VOCS093** PrepDate: Analyst: **JPC**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AL-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:34:00 PM
Lab ID:	051578-043A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**			PrepDate:		Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: B

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:33:00 PM
Lab ID:	051578-044A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**			PrepDate:		Analyst: **JPC**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
1,1-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1.0	6/14/01
1,2-Dibromoethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloroethane	ND	5.0		µg/Kg	1.0	6/14/01
1,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
1,3-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
2,2-Dichloropropane	ND	5.0		µg/Kg	1.0	6/14/01
2-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Chlorotoluene	ND	5.0		µg/Kg	1.0	6/14/01
4-Isopropyltoluene	ND	5.0		µg/Kg	1.0	6/14/01
Benzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Bromodichloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Bromoform	ND	5.0		µg/Kg	1.0	6/14/01
Bromomethane	ND	5.0		µg/Kg	1.0	6/14/01
Carbon tetrachloride	ND	5.0		µg/Kg	1.0	6/14/01
Chlorobenzene	ND	5.0		µg/Kg	1.0	6/14/01
Chloroethane	ND	5.0		µg/Kg	1.0	6/14/01
Chloroform	ND	5.0		µg/Kg	1.0	6/14/01
Chloromethane	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1.0	6/14/01
Dibromochloromethane	ND	5.0		µg/Kg	1.0	6/14/01
Dibromomethane	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *6/20/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	E25AR-0
Lab Order:	051578		
Project:	Oakland Mole - E8000-06-13	**Collection Date:**	6/8/01 1:33:00 PM
Lab ID:	051578-044A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8260B**			
RunID: **MS1_010614B**	BatchID: **P01VOCS093**		PrepDate:			Analyst: **JPC**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Ethylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Hexachlorobutadiene	ND	5.0		µg/Kg	1.0	6/14/01
Isopropylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
m,p-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
Methylene chloride	ND	5.0		µg/Kg	1.0	6/14/01
n-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
n-Propylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Naphthalene	ND	5.0		µg/Kg	1.0	6/14/01
o-Xylene	ND	5.0		µg/Kg	1.0	6/14/01
sec-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Styrene	ND	5.0		µg/Kg	1.0	6/14/01
tert-Butylbenzene	ND	5.0		µg/Kg	1.0	6/14/01
Tetrachloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Toluene	ND	5.0		µg/Kg	1.0	6/14/01
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichloroethene	ND	5.0		µg/Kg	1.0	6/14/01
Trichlorofluoromethane	ND	5.0		µg/Kg	1.0	6/14/01
Vinyl chloride	ND	5.0		µg/Kg	1.0	6/14/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: JP

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040